Faculty Senate Monthly Packet January 1996

Portland State University Faculty Senate

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TO: Senators and Ex-officio Members to the Senate

FR: Robert Liebman, Secretary to the Faculty

The Faculty Senate will hold its regular meeting on January 8, 1996, at 3:00 p.m. in Room 53 CH.

AGENDA

A. Roll

*B. Approval of the Minutes of the December 4, 1995 Meeting

C. Announcements and Reports
   1. Announcements
   2. President's Report
   3. Provost's Report
   4. Vice President's Report (FADM)
   5. Vice-Provost's Report (OGS)
   6. Vice-Provost's Report (OAA)

D. Question Period
   1. Questions for Administrators
   2. Questions from the Floor for the Presiding Officer

E. Reports from other Administrative Officers and Committees
   1. Committee on Committees -- D. Watne
   2. Annual Report, Curriculum Committee - D. Holloway

F. Unfinished Business

G. New Business
   1/2. *Curriculum Committee and Graduate Council Course and Program Proposals -
        D. Holloway/D. Pratt and L. Goslin/W. Ellis

H. Adjournment

*The following documents are included with this mailing:
B Minutes of the December 4, 1995 Senate Meeting
G1/2 Undergraduate and graduate course and program proposals by the Curriculum Committee
and Graduate Council
G1/2 Addendum to 12/4 Supplement listing undergraduate and graduate course and program
proposals.
THE PORTLAND STATE UNIVERSITY FACULTY SENATE

Minutes: Faculty Senate Meeting, December 4, 1995
Presiding Officer Pro Tem: Ulrich Hardt
Secretary: Robert Liebman


Alternates Present: Wetzel for Mercer, Christensen for Watne, Holloway for Westbrook.


B. APPROVAL OF MINUTES

The meeting was called to order at 3:07. The Faculty Senate Minutes of November 6, 1995 were approved with two corrections: Ketcheson not Fahey gave the Fall Term Registration Report for the Registrar and the meeting was called to order at 3:05 not 4:05.

C. ANNOUNCEMENTS AND COMMUNICATIONS FROM THE FLOOR

1. ANNOUNCEMENTS

A workshop, "Managing the Overlap: School, Work, and Family," sponsored by the PSU Committee for Women Faculty Development and the Office of Affirmative Action, will be held Tuesday, December 5, 1-4 pm. (For Suwako Watanabe)

The AS-PSU Book Exchange will be open during finals week in SMC 290 and
will reopen during first week of classes. The Book Exchange offers students a higher return for books sold and a lower price for books purchased. (For Anna Dinh, ASPSU)

2. President’s Report

3. Provost’s Report

Ramaley was in Maine. In place of the Provost’s report, Reardon requested S. BRENNER (chair) to report for the Intercollegiate Athletics Board regarding a November 19, 1995 Oregonian article which included purported comments on religion and athletics by a PSU coach. At a meeting with the Athletic Director and other administrators, President Ramaley charged IAB to develop a policy on religion and athletics for PSU. Brenner asked Bob Lockwood, our NCAA representative and a lawyer, to examine relevant law and court decisions and to review policies from public institutions. There is a possibility that policies will be adopted by the Big Sky Conference and the PAC-10. The Attorney General reported that there are no applicable Oregon laws, that the matter would be discussed, and that its staff would review proposals produced by PSU. IAB will develop a set of principles and guidelines consistent with law. The draft policy will be shared with coaches and outside observers from interdenominational organizations. The revised draft will be reviewed by the AG’s staff before being presented to the President for adoption as an administrative policy. On December 6, Janis Nichols of Public Relations will hold a media training for coaches and assistant coaches.

4. Vice-President’s Report

PERNSTEINER reported that a) he and President Ramaley will be meeting in Washington with HUD Secretary Cisneros regarding the Urban Center Building for which funding is being sought from federal, state, local, and private sources, and b) is at work with the Budget Committee and CADs to prepare budget guidelines.

D. QUESTION PERIOD

A. JOHNSON asked whether PSU application forms are available on the Internet. TAGGART reported that the Information Technology group is at work on the project and expects to install it soon.

Faculty Senate Minutes, December 4, 1995
E. REPORTS FROM OTHER ADMINISTRATIVE OFFICERS AND COMMITTEES

E1. Annual Report, Graduate Council

GOSLIN presented the report. There were no questions. HARDT accepted the report for the Senate.

E2. Annual Report, Curriculum Committee (postponed)

E3. Annual Report, Library Committee

GRECO called attention to #3 regarding the need for teaching faculty to take part in forums on the Vision Plan for restructuring library faculty and support staff and #4 regarding faculty partnerships with the Friends of Library to encourage donations in support of teaching and research needs.

E4. Annual Report, Scholastic Standards Committee

CONSTANS presented the report. There were no questions. HARDT accepted the report for the Senate.

E5. Semi-Annual Report - Faculty Development Committee

LAFFERRIERE reported that 54 proposals totalling $370,000 were submitted by the November deadline, representing a 50% increase in submissions over 1994. About $100,000 is available for faculty development awards this year.

E6. Quarterly Report - University Planning Council

CABELLY reported there were no Fall term meetings.

E7. Interinstitutional Faculty Senate

BURNS reported on the December 1-2 meeting at PSU.

1. The Chancellor reported that he and the Board are preparing for the 1997-99 “prison” biennium which will bring increases for corrections, a shortfall in Oregon Health Plan funds, and declining lottery revenues. He identified three objectives: a) stop the disinvestment in higher education, b) address salary improvements, and c) broaden support for higher education. Four strategies are underway: a) an assessment of future needs as begun in the 2010 document, b) a critical review of the mission statements of all institutions, c) consideration of funding opportunities
for each institution, and d) examination of the structure and governance of OSSHE. The Board is creating four committees (undergraduate education, graduation education, lifelong education and professional development, and community and regional development) which will look at resources and funding, modes of delivery, access, accountability, and governance. IFS requested faculty representation on all these committees and the steering committee.

2. OSU’s Faculty Senate is considering ROTC’s representation in the Senate in view of ROTC’s policy on preferences for sexual orientation.

3. Faculty representatives played significant parts in president searches at OSU and WOSC.

4. New officers: Martha Sergeant (WOSC), President, Bea Oshika (PSU) will join advisory committee. Craig Wollner will succeed Scott Burns.

F. UNFINISHED BUSINESS

G. NEW BUSINESS

G1. Curriculum Committee and Graduate Council - Holloway/Goslin

Introducing the 4-credit conversion, HARDT noted that the 1036 course changes to be considered were the largest number in PSU’s history and expressed thanks for the hard work of the Curriculum Committee, Graduate Council, and Linda Devereaux (OAA). LIEBMAN provided a legislative history of the conversion organized around 3 questions:

1. What and why Senate mandated conversion. In March 1994, Provost Reardon encouraged the Senate to consider conversion as a way to improve productivity and academic quality and recommended implementation in Fall, 1995. In April 1994, the Senate voted to authorize a 4-credit pilot project by English department beginning Fall, 1994. Consideration of conversion by the GC, UCC, and UPC culminated in reports to the December, 1994 Senate meeting recommending delay and reconsideration. Reexamined in January, conversion was moved in February, 1995 and approved by unanimous vote less one:

“The Senate recommends the University adopt a four-credit course model for undergraduate curriculum, to take effect Fall 1996, with the following provisions: 1) Academic departments will undertake course/program revisions, where accreditation requirements permit, with the objective of pedagogic improvements; 2) Academic Requirements Committee will establish recommendations for policies applying to the baccalaureate degree, transfer credit, and enrollment; and 3)
University Planning Council and Curriculum Committee will establish protocols for implementation and approval to proceed during 1995-96...."

2. How? LIEBMAN referred to UCC Guidelines approved by the Senate in June, 1995 and Grad Council’s Guidelines (both circulated) and asked chairs to report.

3. Finally, what have we learned. PSU tried to do in less than a year what took 2 years at UO. The 1036 course changes show the determination of departments and the committees. We have learned much about how to better articulate the processes of changing the curriculum and reviewing the changes. More important, the effort brought many departments to rethink their mode of instruction and the way they organize course offerings for the major, for general education, and as service to other academic units. What we hope for are pedagogic improvements that will come from a reduction in the number of courses for students and of preparations for faculty.

HARTD called for reports from UCC and GC chairs. HOLLOWAY (UCC) described the process (subcommittees that communicated with chairs) and acknowledged two problems: a) compliance with/enforcement of deadlines, and b) lack of time to review courses that overlap or are required among 2+ departments. More than 50% of programs/departments accomplished conversion.

GOSLIN (GC) set the context for Senate action by recalling that Senate approved restructuring of School of Business Administration on a 4-credit model 2 years earlier. In 1995, GC reviewed 517 course proposals. GOSLIN noted three matters for GC’s attention in 1996: a) extended learning, b) how to handle joint grad/undergrad courses (400/500’s), and c) addressing rationalization of duplicated/complementary courses. Only one program -- Public Administration - - did not convert, believing that 3 credit model best fit the late afternoon/evening schedule of its students.

A JOHNSON/LIMBAUGH moved to approve GC’s recommendations for course and program proposals as circulated in the Supplement for the 12/4 meeting and the addendum (distributed). WEINBERG asked how the UCC and GC protocols for conversion were approved and how GC judged whether courses met its standard for conversion. LIEBMAN noted the UCC protocols were approved at the 6/95 Senate meeting. (Secretary’s note: The Senate’s motion did not mandate conversion of graduate courses and programs and did not require approval of GC’s protocols.) GOSLIN described the standard for 3 to 4 credit conversion as broader coverage and more work. Many departments welcomed conversion as a way, long overdue, to bring graduate workloads and credit hours into correspondence. The motion was approved unanimously on a voice vote.

Faculty Senate Minutes, December 4, 1995
A JOHNSON/LIMBAUGH moved to approve UCC's recommendations for course and program proposals as circulated in the Supplement for the 12/4 meeting and the addendum sheet (distributed). HOLLOWAY offered a friendly amendment to add a missing course: Writing 200 Writing about Literature. J BRENNER requested clarification of whether the vote would approve recommendations to defer consideration for a few courses. A JOHNSON interpreted his motion to include all recommendations and asked whether approvals now in process would come before the 1/8/96 meeting. The motion was approved unanimously on a voice vote.

In response to CONSTANS' request for a school-by-school review of recommendations, HARDT said that this was subsumed by the motions to accept, now approved. HARDT called on Senators to examine changes for their programs and schools.

H. ADJOURNMENT

With HARDT's recognition of a record for swift completion of a large agenda, the meeting was adjourned at 3:57 p.m.
Chinese

Chn 101, 102, 103 FIRST-YEAR CHINESE (5,5,5)
Chn 201, 202, 203 SECOND-YEAR CHINESE (5,5,5)
[DELETE LANGUAGE LABORATORY STATEMENT]

Chn 301, 302, 303 THIRD-YEAR CHINESE (4,4,4)
Intermediate conversation, reading, writing, vocabulary building, and grammar. Introduction
to literary and expository texts. Prerequisite: Chn 203. Prerequisite: Chn 203. [CHANGE
CREDIT HRS FROM (3,3,3) TO (4,4,4), DESCRIPTION]

*Chn 304 CHINESE NEWSPAPER READINGS (4)
Prerequisite: Chn 203. [CHANGE CREDIT HRS FROM (3,3) TO (4), PREREQUISITE, DELETE 305]

*Chn 306 BUSINESS CHINESE (4)
Prerequisite: Chn 203; Chn 303 and 304 recommended. [CHANGE CREDIT HRS FROM (3) TO
(4), PREREQUISITE]

*Chn 311, 312, 313 INTRODUCTORY CLASSICAL CHINESE (4,4,4)
to literary and expository texts. Prerequisite: Chn 203. [CHANGE CREDIT HRS FROM (3,3,3) TO
(4,4,4), DESCRIPTION]

*Chn 341 TOPICS IN CHINESE LITERATURE AND THOUGHT: SERVICE AND RETREAT (4)
Interdisciplinary readings from the core of the written tradition, including history, poetry,
classical anecdotes and essays, related to the central issues facing the Chinese elite throughout
history: whether, how, and under what conditions to serve the state. Conducted in English.
[CHANGE CREDIT HRS FROM (3) TO (4), COURSE TITLE, DESCRIPTION]

*Chn 342, 343 CHINESE VERNACULAR LITERATURE (4,4)
342 emphasized traditional poetry and fiction from 700 BC to the late nineteenth century; 343
emphasizes influential works of the twentieth century, from semi-traditional to avant-garde.
Conducted in English. [CHANGE CREDIT HRS FROM (3,3) TO (4,4) DESCRIPTION]

*Chn 411, 412 ADVANCED CHINESE (4,4)
Development of facility with complex patterns in conversation, reading and writing. Topics
such as *current Chinese News and Opinion,* "Twentieth Century Chinese Thought," *Documentary Chinese,* "The structure of Chinese." Prerequisite: Chn 303; Chn 304, 311, 312 also recommended. [CHANGE CREDIT HRS FROM (3,3,3) TO (4,4) COURSE TITLE, DESCRIPTION, PREREQUISITE]

Mathematical Sciences

Stat 243, 244 INTRODUCTION TO PROBABILITY AND STATISTICS I, II (4, 4)
Stat 366 INTRODUCTION TO EXPERIMENTAL DESIGN (4)
Stat 460/560 APPLIED STATISTICS FOR ENGINEERS AND SCIENTISTS (4)
[CHANGE CREDIT HRS FROM (3) TO (4)]

Physics

BA/BS in Physics: Make Physics options more flexible.

Ph 314, 315 EXPERIMENTAL PHYSICS I (4, 4)
Experiments in electrical measurements, digital logic circuits with applications to experimental
control and computer interfacing, and analog circuits. Two 3-hour lab periods. Ph 314 requires
concurrent enrollment in Ph 321. [CHANGE TITLE, CREDIT HRS FROM (2, 2) TO (4, 4),
DESCRIPTION]
Ph 316 EXPERIMENTAL PHYSICS I (3)
Two 3-hour laboratory periods. [CHANGE TITLE, CREDIT HRS FROM (2) TO (4), LAB HRS FROM (4) TO (6)]

Ph 414/514 METHODS OF EXPERIMENTAL PHYSICS II (2) [DROP]

Ph 415/515 EXPERIMENTAL PHYSICS II (3)
Prerequisite: Ph 203 or Ph 213. [CHANGE TITLE, CREDIT HRS FROM (2) TO (3), PREREQUISITES]

Ph 464/564 APPLIED OPTICS (4)
Prerequisites: Ph 203 or 213 and Mth 254. [CHANGE PREREQUISITES, DELETE FOOTNOTE-DOES NOT CARRY GRADUATE CREDIT FOR M.A., M.S. IN PHYSICS]

Art

Art 318 GRAPHIC DESIGN/ADVANCED LETTERING (3) [DELETE COURSE]

Art 320, 321, 322 GRAPHIC DESIGN II (4, 4, 4)
Prerequisites: Art 224, 225, 226, 227, 228, 229. [CHANGE CREDIT HRS FROM (3) TO (4), PREREQUISITES]

Art 326, 327, 328 COMPUTER GRAPHICS II (4, 4, 4)
Art 326: Students create visual designs for digital and offset reproduction using QuarkXPress and other software applications. Experience with page composition, typesetting, typographic design, b&w scanning, color selection, importing graphics and structure complex documents. Work-flow and production issues, including color pre-press. Art 327: Experience with drawing, painting, layering, masking, transformation tools, custom typography and incorporate pixel images. Assignments will focus on illustrations for digital and offset reproduction using Adobe Illustrator. Other software applications may be used as needed. Art 328: Explores photographic manipulation, painting, drawing, and collage. Students prepare illustrations for digital and offset reproduction using Adobe Photoshop and other applications. Experience will be gained with color scanning, retouching, image processing, and masking techniques. Theoretical aspects of pixel-based imaging technologies, including color theory, resolution, halftoning, and pre-press will be discussed. In-class projects and exercises are designed to provide a framework for using state-of-the-art computer graphics technology for image-making and exploring visual concepts. Primary focus of all courses in this sequence is to create and produce professional visual design solutions. Prerequisites: Art 115, 116, 117 or 224, 225, 226, 227, 228, 229. [CHANGE CREDIT HRS FROM (3, 3, 3) TO (4, 4, 4), CREATE SEQUENCE, CHANGE TITLE, DESCRIPTION, PREREQUISITE]

Art 466, 467, 468 GRAPHIC DESIGN III (4, 4, 4)
Three-term sequence of advanced graphic design studio assignments that offer students design problems of greater complexity and broader scope than experienced in Graphic Design II. Emphasis on design theory, computer graphics, practical application of "real-world" design problems, portfolio development, professionalism in finished artwork for portfolio review. These courses must be taken in sequence. Prerequisites: Art 320, 321, 322. [CHANGE CREDIT HRS FROM (3, 3, 3) TO (4, 4, 4), DESCRIPTION]

Art 470 GRAPHIC DESIGN/PORTFOLIO (3) [DELETE COURSE]

Faculty Senate Addendum 12/4/95:OAA/Id
PORTLAND STATE UNIVERSITY
New Courses and Course Changes-Part 3
Effective Fall 1996

SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Civil Engineering

CE 311 ENGINEERING SURVEYS (4)
[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

CE 312 INTRODUCTION TO PHOTOGRAMMETRY (3) [DELETE COURSE]
CE 313 ANALYTICAL PHOTOGRAMMETRY (3) [DELETE COURSE]
CE 314 TOPOGRAPHIC SURVEYS (3) [DELETE COURSE]
CE 315 BOUNDARY SURVEYS (3) [DELETE COURSE]

CE 324 ELEMENTARY STRUCTURAL ANALYSIS (4)
Methods of analysis of statically determinate planar structures; concepts of stability and indeterminacy; calculations of displacements and rotations by virtual work, Castigliano’s theorem, and conjugate beam; approximate analysis of statically indeterminate structures. Prerequisite: EAS 212 and calculus. [CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

CE 325 INDETERMINATE STRUCTURES (4)
Analysis of indeterminate structures by force and displacement methods; consistent deformations and the theorem of least work; slope deflection; moment distribution including sway; approximate methods. Prerequisite: CE 324. [CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4), DESCRIPTION]

CE 326 INDETERMINATE STRUCTURES II (3) [DELETE COURSE]

CE 341 SOIL CLASSIFICATION AND PROPERTIES (4)
Three lectures; one 3-hour laboratory period. Prerequisite: EAS 213. [CHANGE CREDIT HRS FROM (3) TO (4), LECTURE HRS FROM 2 TO 3]

CE 351 TRANSPORTATION SYSTEMS: PLANNING AND DESIGN (4)
CE 364 WATER RESOURCES ENGINEERING (4)
CE 371 ENVIRONMENTAL ENGINEERING (4)
[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

CE 411 GEODESY AND CONTROL SURVEYS I (3) [DELETE COURSE]

*CE 420/520 ADVANCED MECHANICS OF MATERIALS (4)
*CE 421/521 ANALYSIS OF FRAMED STRUCTURES (4)
[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

*CE 423/523 VIBRATION ANALYSIS IN STRUCTURAL ENGINEERING (4)
Fundamentals of vibration theory; applications in structural engineering. Free, forced, and transient vibration of single and multi-degrees of freedom systems including damping, normal modes, coupling and normal coordinates. Prerequisites: EAS 212 and Mth 256. [CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4), DESCRIPTION]
*CE 431/531 STABILITY AND STRUCTURES (4)
*CE 432/532 STRUCTURAL STEEL DESIGN - LRFD METHOD (4)
CE 435 DESIGN OF REINFORCED CONCRETE STRUCTURES (4)
*CE 436/536 MASONRY DESIGN (4)
CE 437 TIMBER DESIGN (4)
*CE 438/538 DESIGN OF COMPOSITE STRUCTURES (4)
CE 442/542 IN SITU BEHAVIOR AND TESTING OF SOILS (4)
CE 443/543 INTRODUCTION TO SEISMOLOGY (3) [NO CHANGE]
CE 444 GEOTECHNICAL DESIGN (4)
CE 445/545 SEISMIC SITE EVALUATION (3) [NO CHANGE]
CE 448/548 EARTHQUAKE ACCOMMODATION AND DESIGN (3) [NO CHANGE]
CE 454 URBAN TRANSPORTATION SYSTEMS (4)
*CE 457/557 PAVEMENT DESIGN (4)
*CE 464/564 HYDROLOGIC AND HYDRAULIC MODELING (4)
*CE 467/567 HYDROLOGIC AND HYDRAULIC DESIGN (4)
[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

CE 474/574 UNIT OPERATIONS OF ENVIRONMENTAL ENGINEERING (4)
Prerequisite: CE 371. [CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4), PREREQUISITE]

*CE 477/577 SOLID AND HAZARDOUS WASTE MANAGEMENT (4)
Systematic approach to the complex technical, political and socio-economic aspects of managing, handling, and disposal of spent solid materials and hazardous wastes.
Prerequisite: senior/graduate standing in civil engineering or consent of instructor.
[CHANGE TITLE, CREDIT AND LECTURE HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITE]

CE 484 ENGINEERING PROJECT MANAGEMENT (4)
[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

CE 494 CIVIL ENGINEERING DESIGN (4)
Three lectures, one 3-hour design project laboratory period. Prerequisite: senior standing in civil engineering. [CHANGE CREDIT HRS FROM (3) TO (4), LECTURE HRS FROM 2 TO 3]

*CE 522/622 PLASTIC ANALYSIS OF STRUCTURES (4)
*CE 524/624, 525/625 MATRIX AND COMPUTER METHODS IN STRUCTURAL ANALYSIS (4)
*CE 526/626 THEORY OF PLATES (4)
*CE 527/627, 528/628 FINITE ELEMENTS IN STRUCTURAL MECHANICS (4)
*CE 529/629 STRUCTURAL DYNAMICS (4)
*CE 530/630 ENERGY PRINCIPLES IN STRUCTURAL MECHANICS (4)
*CE 535/635 PRESTRESSED CONCRETE DESIGN (4)
*CE 537/637 EARTHQUAKE ENGINEERING (4)
*CE 539/639 ADVANCED STEEL DESIGN (4)
*CE 541/641 ADVANCED SOIL MECHANICS (4)
[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

*CE 544/644 ADVANCED SHALLOW FOUNDATION DESIGN (4)
Advanced topics in settlement and bearing capacity analysis of shallow foundation; application of numerical schemes to foundation design. Prerequisite: CE 444. [CHANGE TITLE, CREDIT AND LECTURE HRS FROM (3) TO (4), DESCRIPTION]
*CE 546/646 NUMERICAL METHODS IN GEOTECHNICAL ENGINEERING (4)
*CE 547/647 EARTH DAMS (4)
*CE 552/652 HIGHWAY DESIGN FOR CAPACITY (4)
*CE 561/661 WATER RESOURCE SYSTEMS ANALYSIS (4)
*CE 565/665 ADVANCED HYDROLOGY (4)
*CE 566/666 STOCHASTIC HYDROLOGY (4)

[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

*CE 569/669 INTRODUCTION TO SUBSURFACE FLOW AND CONTAMINANT TRANSPORT (4)
Prerequisite: senior/graduate standing in civil engineering. [CHANGE CREDIT AND
LECTURE HRS FROM (3) TO (4), ADD PREREQUISITE]

*CE 570/670 NUMERICAL MODELING OF SUBSURFACE FLOW AND CONTAMINANT TRANSPORT (4)
*CE 571/671 ADVANCED TOPICS IN SUBSURFACE FLOW AND CONTAMINANT TRANSPORT (4)
*CE 572/672 ENVIRONMENTAL FLUID MECHANICS I (4)

[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

*CE 573/673 NUMERICAL METHODS IN ENVIRONMENTAL AND WATER RESOURCES
ENGINEERING (4)
Introduction to the mathematical solution of partial differential equations by finite difference
and finite element techniques. Development of solution approaches to water quality and
hydraulic problems in surface and groundwater systems. Analysis of model sensitivities,
calibration and verification. Prerequisite: senior or graduate standing in civil engineering.
[CHANGE TITLE, CREDIT AND LECTURE HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITE]

*CE 575/675 ADVANCED PHYSICAL/CHEMICAL ENVIRONMENTAL ENGINEERING PROCESSES (4)
*CE 576/676 ENVIRONMENTAL FLUID MECHANICS II (4)
*CE 578/678 WATER QUALITY MODELING (4)
*CE 591/691 ENGINEERING OPTIMIZATION (4)

[CHANGE CREDIT AND LECTURE HRS FROM (3) TO (4)]

Engineering Management Program

EMgt 522/622 COMMUNICATION AND TEAM BUILDING (4)
Developing high performance teams for the engineering-driven companies; fundamental
concepts that make an effective team; building a high-performance team; the keys to high
performance; converting risks into assets; the power of commitment and discipline, and
constructive communication; getting results through team dynamics, creative problem
solving, and interactive exercises. Prerequisite: graduate standing or eligibility of
admission to engineering management program. [NEW]

EMgt 525/625 STRATEGIC PLANNING IN ENGINEERING MANAGEMENT (4)
Critical issues in shaping the competitive strategy for the engineering-driven companies
in a turbulent business environment; key steps and end results of the planning process;
corporate mission; Ley Result Areas (KRAs) and situational analysis including strengths,
weaknesses, opportunities and threats in KRAs. Identifying planning assumptions,
critical issues, setting objectives, formulating strategy. Leadership, organizational
culture and structure to support the implementation of a strategic plan as well as the
strategic control systems. Case studies, presentations, term projects, teamwork, and
interative exercises. Prerequisite EMgt 520/620. [NEW]
EMgt 535 ENGINEERING ECONOMIC ANALYSIS (4)
Economic evaluation of engineering and R&D projects is discussed from the engineering management viewpoint. Time value of money, tax considerations, break-even sensitivity analyses, project evaluations under uncertainty, risk sharing, capital budgeting, and multicriteria decisions are studied. Case discussions are included in the course prerequisite: Linear algebra, probability/statistics. [CHANGE CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITE]

EMgt 537/637 PRODUCTIVITY ANALYSIS (4)
Productivity analysis techniques, applications, and case studies are covered from engineering and management perspectives. Topics covered include benchmarking, process analysis, production functions, parametric productivity analysis techniques, and nonparametric productivity analysis techniques. Prerequisites: linear programming, probability/statistics. [NEW]

EMgt 540/640 OPERATIONS RESEARCH IN ENGINEERING TECHNOLOGY (4)
The use of operations research techniques in making engineering management decisions; application and interpretation of linear programming and goal programming; problem formulations; mathematical model building; the basic principles behind the simplex algorithm and multiple objective linear optimization; postoptimality analysis from the viewpoint of technology management; other operations research techniques such as queuing models; a term project involving an actual operational problem. Prerequisites: linear algebra and probability/statistics. [CHANGE COURSE DESCRIPTION, PREREQUISITES]

EMgt 545/645 PROJECT MANAGEMENT IN ENGINEERING AND TECHNOLOGY (4)
Critical issues in the management of engineering and high technology projects; analysis of time, cost, performance parameters form the organizational, people and resource perspectives; project planning evaluation and selection, including project selection models; project and matrix organizations; project teams; scheduling with CMP/PERT algorithms; budget and schedule control; termination of projects. Case discussions and term project are included in the course. Prerequisites: EMgt 520/620, EMgt 530/630. [CHANGE CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

EMgt 546/646 PROJECT SCHEDULING AND NETWORK ANALYSIS (4)
An in-depth study and review of the major problems and analytical techniques used in the planning and scheduling of major industrial projects. Specific focus on two primary areas: (1) network analysis used in the planning of projects, and (2) scheduling analysis used in the scheduling of resources during the course of a project. Modeling techniques such as CPM/PERT, GERT, etc. in conjunction with mathematical programming and computer simulation. Emphasis on solving real-world project schedules. Prerequisites: probability/statistics, linear algebra, EMgt 545/645. [NEW]

EMgt 550/650 MANUFACTURING SYSTEMS ENGINEERING (4)
Underlying concepts of manufacturing or production systems; product and process planning; job/flow shops; group technology, and flexible manufacturing cells. Prerequisite: graduate standing or eligibility for admission to the engineering management program. [NEW]

EMgt 551/651 MANUFACTURING SYSTEMS MANAGEMENT (4)
Traditional and emerging techniques in manufacturing management; the evolution of concepts from EOQ to MRP and JIT including what has gone wrong with them. Other management level issues including shop floor control, production scheduling, and inventory management. Prerequisite: EMgt 550. [NEW]
EMgt 552/652 INTELLIGENT MANUFACTURING SYSTEMS
Introducing the student to applications of AI/expert system tools for solving manufacturing system design and management problems. First part of the course: Introduction of the basic concepts of intelligent manufacturing, knowledge-based (KB) techniques and software used in the design of products, processes, facilities, and management systems required to manufacture a product. Second part: KB techniques and software used in the design of products, processes, facilities, and management systems requires to manufacture a product. Third part: Integration of KB techniques for designing an intelligent manufacturing system; current and future research in each of the functional areas. Prerequisite: EMgt 550/650. [NEW]

EMgt 553/653 MANUFACTURING SYSTEMS SIMULATION (4)
Introduction of discrete simulation techniques for the modeling of random processes and probabilistic events in the simulation of manufacturing systems; concepts of systems modeling with emphasis on the use of an animated simulation package throughout the course. Prerequisite: EMgt 550, basic knowledge of probability and statistics. [NEW]

EMgt 560/660 TOTAL QUALITY MANAGEMENT (4)
Critical principles and procedures of quality management in a competitive global environment; contemporary definitions of quality; quality in production/services; quality economics; quality philosophies; planning, organizing and controlling for quality; human resource and empowerment strategies, and QC tools. Case studies, presentations, term projects and teamwork. Prerequisite: graduate standing, or eligibility of admission to the engineering management program. [NEW]

EMgt 563/663 REENGINEERING THE TECHNICAL ENTERPRISE (4)
This course presents the critical issues in re-inventing the engineering - drive companies in the real world. The basic building blocks, reengineering stages and key success factors are covered. Also reviewed are the tools, challenges and resistance to reengineering. Case studies, presentations, term projects and teamwork are included in the course. Prerequisite: EMgt 560/660. [NEW]

EMgt 565/665 RESEARCH METHODS FOR ENGINEERING MANAGEMENT (4)
Research methods in engineering management; statistical techniques including proper selection, use, and interpretation of parametric and nonparametric tests along with factor and discriminant analysis. Design of experiments and model misspecification. The use of statistical software. Prerequisites: graduate standing, probability and statistics. [NEW]

EMgt 571/671 EXPERT SYSTEMS IN ENGINEERING (4)
Insights into artificial intelligence and expose students to the building of expert systems (ES) with an emphasis on solving a variety of engineering management problems; components of ES and an emphasis on solving a variety of engineering management problems; components of ES and design methodology; principles of heuristic and logic programming; fundamental issues related to knowledge acquisition, representation, inferencing and learning; design of inference engines and their implementation. Fuzzy reasoning, neural nets, and learning mechanisms and a review of some of the more popular AI and ES shells. [NEW]

EMgt ENGINEERING MANAGEMENT SYNTHESIS (4)
[CHANGE CREDIT HRS FROM (3) TO (4)]
Hst 101, 102 HISTORY OF WESTERN CIVILIZATION (4, 4)
Origins and development of Western civilization from ancient times to the present.
[CHANGE CREDIT HRS FROM (3) TO (4), DELETE 103]

Hst 104, 105, 106 THE WORLD BEYOND EUROPE (3, 3, 3) [DELETE COURSES]

Hst 199 SPECIAL STUDIES (Credit to be arranged.) [NO CHANGE]

Hst 201, 202 HISTORY OF THE UNITED STATES (4, 4)
From colonial times to the present day. [CHANGE CREDIT HRS FROM (3, 3) TO (4, 4), DELETE 203]

Hst 300 THE HISTORICAL IMAGINATION (4)
The how and why of the historian's craft: (1) an introduction to the basics of research and writing; (2) an examination of historical writing, its relationship to the time and place of its origin, and the emergence of the ideas, consciousness, and canons of scholarship which shaped it. This course serves as an introduction to the study of history at the upper division level and is recommended for students beginning their junior year. [CHANGE NUMBER FROM 390, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION]

Hst 312 AFRICAN HISTORY BEFORE 1600 (4)
An upper division course designed to survey the history of the African continent from earliest times to the period of the Atlantic slave trade. Using a lecture/discussion format, the course will examine the impact of trade, technology and ecology on the transformation of African societies before 1600. Prerequisites: BSt 205. This course is the same as BSt 305; may be taken only once for credit. [CHANGE NUMBER FROM 348, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 313 AFRICAN HISTORY SINCE 1600 (4)
An upper division course designed to survey the history of the African continent from 1600 to the present, with emphasis on the era of the Atlantic slave trade, colonial period, independence, and post independence. Prerequisite: BSt 305 or Hst 312. This course is the same as BSt 306; course may be taken only once for credit. [CHANGE NUMBER FROM 349, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 315 GREEK HISTORY (4)
A survey of the social, political, economic, and cultural history of the Greeks and their neighbors. From earliest beginnings until the death of Alexander. Prerequisite: Hst 101 or Sophomore Inquiry (Greek Civilization). [CHANGE NUMBER FROM 351, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 316 ROMAN HISTORY (4)
A study of the social, political, economic, and cultural history of the Mediterranean region between 753 and the fall of Rome. Prerequisite: Hst 101 or Sophomore Inquiry (Greek Civilization). [CHANGE NUMBER FROM 352, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]
Hst 320 EAST ASIAN CIVILIZATION (4)
Foundations of East Asian civilization from perspective of China as dominant civilization in East Asia. Interaction between Chinese influence and indigenous traditions in Japan, Korea, and Vietnam. Attention to major philosophical and religious traditions, such as Confucianism and Buddhism; origins and structure of political institutions; family life and social organization; and literary traditions. Chronological coverage to about 1800. [NEW]

Hst 321 MODERN EAST ASIA (4)
History of East Asia from around 1800, beginning with the Opium Wars in China and the Meiji Restoration in Japan, through postwar state and society in Japan and the People’s Republic of China. Some attention to Korea, Vietnam, and Taiwan. Emphasis on concepts of imperialism, Westernization, modernization, and revolution. [NEW]

*Hst 330 THE AMERICAN REVOLUTION AND CONSTITUTION, 1763-1789 (4)
The Revolutionary Movement, the American Revolution, Confederation, and Constitution. Prerequisites: Hst 201, Sophomore Inquiry (American Studies), or consent of instructor. [CHANGE NUMBER FROM 301, TITLE, CREDIT HRS FROM (3) TO (4), PREREQUISITES]

*Hst 331 THE EARLY REPUBLIC, 1783-1815 (4)
The Early Republic years of the United States, including the presidencies of Washington, Adams, Jefferson, and Madison. Prerequisites: Hst 201, Sophomore Inquiry (American Studies), or consent of instructor. [CHANGE NUMBER FROM 302, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 332, 333 THE U.S. IN THE 19TH CENTURY (4, 4)
Hst 332: Era of Good Feelings; Jacksonian democracy, reformism; economic change; expansion and Manifest Destiny, slavery and the crisis of the 1850s; outbreak of the Civil War. Hst 333: Civil War and Reconstruction; industrialization and urbanization; political patterns; the problems of labor and radicalism; and problems of assimilation (Native American, African American, and the so-called “New Immigration”). [CHANGE NUMBER FROM 305, 306, CREDIT HRS FROM (3, 3) TO (4, 4), DELETE 307]

Hst 334 SLAVERY, CIVIL WAR, AND RECONSTRUCTION, 1850-1877 (4)
Slavery and the Coming of the Civil War; domestic and military aspects of the war; the collapse of slavery; Southern Reconstruction -- problems of reunion, and adjustment to the end of slavery. [NEW]

Hst 335, 336 THE UNITED STATES IN THE TWENTIETH CENTURY (4, 4)
Hst 335: 1890-1932, Populism and the Crisis of the 1890s; the Purity Crusade; Corporate and Anticorporate Progressivism; Theodore Roosevelt and Woodrow Wilson; the Open Door Policy and World War I; the League of Nations and the Red Scare; the New Era and Insurgents of the 1920s; the Cultural Conflicts of the 1920s; Herbert Hoover, the Great Depression, and the Election of 1932. Hst 336: 1932-Present, Franklin D. Roosevelt and the New Deal Managerial State; Anti-New Dealers and the Noninterventionist Movement; World War II and the New Order; the Cold War and the National Security State under Truman and Eisenhower; the Anti-Communist Crusade of the 1950s; John F. Kennedy and the New Frontier; Civil Rights, Lyndon Johnson, and the Great Society; the Vietnam War, the New Left, and the Counterculture; Richard Nixon and Watergate; Jimmy Carter, Ronald Reagan, and the Rise of Populist Conservatism. [CHANGE NUMBER FROM 310, 311, CREDIT HRS FROM (3, 3) TO (4, 4), DESCRIPTION]
Hst 337 HISTORY OF AMERICAN CITIES (4)
Traces the evolution of urban centers from the colonial period to the present. Focuses on the developing system of cities, on growth within cities, and on the expansion of public responsibility for the welfare of urban residents. Particular attention is given to the industrial and modern eras. Prerequisite: upper division standing. [NEW]

Hst 338 OREGON HISTORY (4) [CHANGE NUMBER FROM 328, CREDIT HRS FROM (3) TO (4)]

Hst 339 THE ENVIRONMENT AND HISTORY (4)
Introduction to the theme of the environment in the study of history and the history of environmental ideas, from the 16th century to the present, with special focus on the impact of science, philosophy, literature, and history on our understanding of the environment. Designed as an introductory course for students of all majors. [NEW]

Hst 340 WOMEN AND GENDER IN AMERICA, COLONIAL ERA TO 1865 (4)
This course explores women’s lives and work in America from European contact with the New World through the end of the Civil War. Through primary and secondary material, students will confront the diversity of female experience as well as the ways in which gender shaped the economic, political, and social life of the emerging nation. Possible themes include native women and colonial settlement, Puritan religion, the household economy, the American Revolution, evangelicism and the rise of the Victorian home, women and the westward movement, slavery and race, gender and industrialization, and the emergence of women’s rights. [NEW]

Hst 341 WOMEN AND GENDER IN AMERICA, 1865 TO THE PRESENT (4)
Who was a suffragette? A flapper? Rosie the Riveter? What do these images hide as well as reveal about American women’s recent past? This course surveys the making of modern American women by focusing on gender, family, work, and political arrangements from 1865 to the present. Students will explore the diversity of women’s lives through the ideas and institutions -- both the outstanding and everyday -- forged by women in this period. Themes include missionaries and reform in the Gilded Age, higher education and the professions, women workers and labor organizing, the rise of sexual modernism, gender in the Jim Crow South, postwar domesticity and the “feminine mystique”, feminism’s roots in the Civil Rights movement, and “second wave” feminism and its discontents. [NEW]

*Hst 343 AMERICAN FAMILY HISTORY (4)
History of the American family from the colonial period to the present. The course will draw upon textual sources and oral histories in examining changes in families in the colonial period, and the nineteenth and twentieth centuries. Prerequisite: Hst 201, 202, Sophomore Inquiry (American Studies), or consent of instructor. [CHANGE NUMBER FROM 316, CREDIT HRS FROM (3) TO (4), DESCRIPTION, ADD PREREQUISITE]

Hst 350, 351 ENGLISH HISTORY (4, 4)
[CHANGE NUMBER FROM 340, 341, CREDIT HRS FROM (3, 3) TO (4, 4), DELETE 342]

Hst 353 THE ROMAN WORLD, 44 B.C.-A.D. 565 (3) [DELETE COURSE]

*Hst 355 EARLY MEDIEVAL EUROPE, 300-1100 (4)
. . . of a high-level civilization. [CHANGE NUMBER FROM 356, CREDIT HRS FROM (3) TO (4), MINOR DESCRIPTION CHANGE]
Hst 356 LATE MEDIEVAL EUROPE, 1100-1500 (4)
... place of Italian cities ... [CHANGE NUMBER FROM 357, CREDIT HRS FROM (3) TO (4), MINOR DESCRIPTION CHANGE]

Hst 357, 358 EUROPE SINCE THE RENAISSANCE (4, 4)
Political, social, economic, and cultural trends from the 16th century to the present. Hst 357: 1555-1815. Hst 358: 1815 to the present. [CHANGE NUMBER FROM 360, 361, CREDIT HRS FROM (3, 3) TO (4, 4), DESCRIPTION, DELETE 362]

Hst 359 EARLY MODERN FRANCE (4)
A survey of the history of France during the Reformation, the Age of Absolutism, and the Enlightenment, 1515-1778. Prerequisites: Hst 101, 102. [NEW]

Hst 360 THE FRENCH REVOLUTION AND NAPOLEON (4)
A survey of the history of France during the Revolution and Napoleonic era, 1778-1815. Prerequisites: Hst 101, 102. [CHANGE NUMBER FROM 458/558, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 365, 366 LATIN AMERICA (4, 4)
A survey from pre-Columbian times to the present. Hst 365: Period of discovery and conquest, colonial institutions, the age of reform. Hst 366: Independence and rise of the new nations, the recent period. Prerequisite: Hst 101, 102, or Sophomore Inquiry (Latin America). [CHANGE NUMBER FROM 330, 331, CREDIT HRS FROM (3, 3) TO (4, 4), DESCRIPTION, PREREQUISITES, DELETE 332]

Hst 369 HAPSBURG EMPIRE (3) [DELETE COURSE]

Hst 370, 371, 372 HISTORY OF EASTERN EUROPE (3) [DELETE COURSE]

Hst 385, 386 THE MIDDLE EAST IN MODERN TIMES (4, 4)
A survey of social, cultural, and political trends in the Middle East from 1300 to the present. Hst 385: Middle East Reforms and imperialism in the 18th and 19th centuries. Hst 386: Middle Eastern industrial society, mass culture and nation states in the 20th century. Prerequisite: Hst 102. [CHANGE NUMBER FROM 381, 382, CREDIT HRS FROM (3, 3) TO (4, 4), DESCRIPTION, DELETE 383]

Hst 399 SPECIAL STUDIES (Credit to be arranged.)
Hst 401/501 RESEARCH (Credit to be arranged.)
Consent of instructor.
[NO CHANGE]

Hst 404/504 PUBLIC HISTORY INTERNSHIP (4)
Intensive, on-the-job internships with public agencies, private businesses, non-profit firms, and other groups in public history work. Each internship is by special arrangement and terms. Prerequisite: Hst 496/596, or consent of instructor. [CHANGE TITLE, CREDIT HRS TO (4), ADD DISCRETE DESCRIPTION]

Hst 405/505 READING AND CONFERENCE (Credit to be arranged.)
Consent of instructor. Directed reading for honors students and history majors.
Hst 407/507 SEMINAR (Credit to be arranged.)
Study and application of the techniques of historical research and writing.
Hst 410/510 SELECTED TOPICS (credit to be arranged.)
[NO CHANGE]
Hst 411/511 HISTORICAL RESEARCH LIBRARIES (3) [DELETE COURSE]

Hst 412/512 TOPICS IN AFRICAN/CARIBBEAN HISTORY AND CULTURE (4)
An in-depth exploration of selected topics in African and/or Caribbean cultural history. Special attention will be given to thematic issues of broad application to the understanding of cultural interaction, continuity and change. [NEW]

Hst 413/513 HISTORICAL SOCIETIES (3) [DELETE COURSE]

Hst 415/515 TOPICS IN GREEK HISTORY (4)
An advanced look at specific topics in Greek history from the Bronze Age to the death of Cleopatra. Topics will include social, political, economic, intellectual, and religious history. The subject matter will vary from term to term. (Maximum number of credits is 12; 4 credits each for three courses with different topics.) Prerequisite: Hst 315, Sophomore Inquiry (Greek Civilization), or permission of instructor. [CHANGE NUMBER FROM 450/550, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 416/516 TOPICS IN ROMAN HISTORY (4)
An advanced look at specific topics in Roman history from the Etruscans to the Dark Ages. Topics will include social, political, economic, and intellectual history. The subject matter will vary from term to term. (Maximum number of credits is 12; 4 credits each for three courses with different topics.) Prerequisite: Hst 316 or permission of instructor. [CHANGE NUMBER FROM 451/551, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 417/517 LATIN AMERICAN CULTURAL HISTORY (3) [DELETE COURSE]

Hst 420/520 TOPICS IN EARLY JAPANESE HISTORY (4)
Selected themes in early Japanese history (to about 1600), including myth and archaeology, Shinto and the formation of the early state, Buddhism and the impact of Chinese civilization, the medieval court and society, and the rise of military government and warrior society. Prerequisite: upper-division standing, Hst 320. [CHANGE NUMBER FROM 437/537, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 421/521 TOPICS IN THE HISTORY OF EARLY MODERN JAPAN (4)
Selected themes in Tokugawa (1600-1850) history, including rural life and urbanization, merchants and commerce, political thought and institutions, women and family life, neo-Confucianism, religious beliefs and practices, popular culture, arts, and literature. Prerequisite: upper-division standing, Hst 320, 321. [CHANGE NUMBER FROM 438/538, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, PREREQUISITES]

Hst 422/522 MODERN JAPAN, 1850-PRESENT (4)
Prerequisite: upper-division standing, Hst 320 or Hst 321. [CHANGE NUMBER FROM 439/539, CREDIT HRS FROM (3) TO (4), PREREQUISITES]

Hst 423/523 TOPICS IN CHINESE SOCIAL HISTORY (4)
This course will examine institutions and themes -- relating to the family, urban and rural life, education and the like -- in Chinese social history. The subject matter will vary from term to term. (Maximum number of credits is 12; 4 credits each for three courses with different topics). [CHANGE NUMBER FROM 486/586, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION]
Hst 424/524 TOPICS IN CHINESE THOUGHT AND RELIGION (4)
Chinese intellectual history, including popular thought as well as elite philosophy. The subject matter will vary from term to term. (Maximum number of credits is 12; 4 credits each for three courses with different topics).

Hst 425/525 MODERN CHINA, 1850-PRESENT (4)

*Hst 430/530, 431/531, 432/532 U.S. CULTURAL HISTORY (4, 4, 4)
The relation of cultural attitudes, values and belief to the American historical experience.

Hst 433/533, 434/534 COLONIAL AMERICAN AND U.S. SOCIAL AND INTELLECTUAL HISTORY (4, 4)

Hst 435/535, 436/536, 437/537 AMERICAN DIPLOMATIC HISTORY (4, 4, 4)
Prerequisites: Hst 201, 202.

Hst 438/538 AMERICAN ECONOMIC HISTORY: THE FIRST CENTURY (4)
Prerequisites: Ec 201, 202.

Hst 439/539 AMERICAN ECONOMIC HISTORY: THE 20TH CENTURY (4)
Prerequisites: Ec 201, 202.
Hst 440/540, 441/541 AMERICAN ENVIRONMENTAL HISTORY (4, 4)
Hst 440/540: A survey of North American history to 1900 from an environmental perspective with special reference to the development of environmental thought, interdisciplinary topics in environmental history, and the history of ecological thinking. Hst 441/541: A survey of North American history since 1900 from an environmental perspective with special reference to conservation and environmentalism, interdisciplinary topics in environmental history, political action, and contemporary environmental thought. [NEW]

Hst 442/542, 443/543 HISTORY OF THE WESTWARD MOVEMENT (4, 4)
[CHANGE NUMBER FROM 424/524, 425/525, CREDIT HRS FROM (3, 3) TO (4, 4), CHANGE COURSE NUMBERS IN DESCRIPTION]

Hst 444/544 HISTORY OF THE PACIFIC NORTHWEST (4)
Prerequisites: Hst 201, 202. [CHANGE NUMBER FROM 426/526, CREDIT HRS FROM (3) TO (4), PREREQUISITES]

*Hst 445/545 HISTORY OF PORTLAND (4)
[CHANGE NUMBER FROM 498/598, CREDIT HRS FROM (3) TO (4)]

Hst 446/546 ENGLISH CONSTITUTIONAL DEVELOPMENT (3) [DELETE COURSE]

Hst 450/550 MEDIEVAL ENGLAND (4)
[CHANGE NUMBER FROM 440/540, CREDIT HRS FROM (3) TO (4)]

Hst 451/551 TUDOR ENGLAND (4)
[CHANGE NUMBER FROM 441/541, CREDIT HRS FROM (3) TO (4)]

Hst 452/552 IRISH HISTORY (4)
[CHANGE NUMBER FROM 447/547, CREDIT HRS FROM (3) TO (4)]

Hst 453/553 THE EARLY ROMAN EMPIRE (3) [DELETE COURSE]

*Hst 455/555 THE RENAISSANCE (4)
[CHANGE CREDIT HRS FROM (3) TO (4)]

A survey of the religious revolutions that occurred in Europe during the first two thirds of this century, up until the end of the Council of Trent (1563), the so-called Reformation era. It will treat religious, intellectual, political, social and economic developments that helped create the setting for the Reformation, as well as the course of events that constitutes the Reformation, the doctrines and intentions of the major reformers (among others, Martin Luther, John Calvin, Ignatius Loyola), the beliefs of the common people, and the consequences of reform. [CHANGE TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION]

Hst 457/557, 458/558 HISTORY OF GERMANY (4, 4)
The development of German political and social life in modern times. Hst 457/557: Thirty Years' War to the Revolution of 1848. Hst 458/568: 1848 to the present. Prerequisites: Hst 101, 102. [CHANGE NUMBER FROM 459/559, 460/560, CREDIT HRS FROM (3, 3) TO (4, 4), DESCRIPTION, PREREQUISITES, DELETE 461/561]
Hst 459/559, 460/560 EUROPEAN INTELLECTUAL HISTORY (4, 4)
Prerequisites: Hst 101, 102. [CHANGE NUMBER FROM 462/562, 463/563, CREDIT HRS FROM (3, 3) TO (4, 4), PREREQUISITES, DELETE 464/564]

Hst 465/565 TWENTIETH CENTURY LATIN AMERICA (4)
Prerequisites: Hst 365, 366, or Sophomore Inquiry (Latin America). [CHANGE NUMBER FROM 430/530, CREDIT HRS FROM (3) TO (4), PREREQUISITES]

Hst 466/566 THE CARIBBEAN (4)
Prerequisites: Hst 365, 366, or Sophomore Inquiry (Latin America). [CHANGE NUMBER FROM 432/532, CREDIT HRS FROM (3) TO (4), PREREQUISITES]

Hst 468/568, 469/569, 470/570 HISTORY OF MEXICO (4, 4, 4)
Hst 468/568: A study of Mexico's beginnings from pre-Columbian times through the colonial period. The origins of Mexican culture, society, economy and political institutions will be examined in the context of Hispanic and indigenous contributions. Hst 469/569: A study of Mexico's history from the revolutions for independence until 1876. Emphasis will be placed upon the development of constitutional government, the era of reform, foreign interventions, and the restoration of the republic. Hst 470/570: Mexico's emergence as a modern nation during the Porfirian dictatorship. The 20th century revolutionary upheaval and consolidation. Prerequisites: Hst 365 or 366. [CHANGE NUMBER FROM 434/534, 435/535, 436/536, CREDIT HRS FROM (3, 3, 3) TO (4, 4, 4), PREREQUISITES, CHANGE COURSE NUMBERS IN DESCRIPTION]

Hst 475/575 HISTORY OF RUSSIA: ORIGINS TO PETER THE GREAT, 800-1700 (4)
Kievan Rus', the "Mongol Yoke," Muscovy, and the beginnings of empire. Analysis of primary sources and historiographical debates. Emphasis on political, social, and cultural aspects. [CHANGE NUMBER FROM 470/570, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION]

Hst 476/576 HISTORY OF RUSSIA: IMPERIAL, 1700-1917 (4)
This course traces the Romanov dynasty and its subjects until its fall. Analysis of primary sources and historiographical debates. Emphasis on political, cultural and social aspects, especially on the successive attempts at reform, and intellectual self-definition of the nation and its classes. [CHANGE NUMBER FROM 471/571, CREDIT HRS FROM (3) TO (4), DESCRIPTION]

Hst 477/577 HISTORY OF RUSSIA: SOVIET UNION AND ITS FALL, 1917-PRESENT (4)
Russian Revolution, the Civil War, NEP, Stalinism, Khrushchev, Brezhnev, Gorbachev and the dissolution of the Soviet Union. Analysis of primary sources and historiographical debates. Emphasis on political, social, and cultural aspects. [CHANGE NUMBER FROM 472/572, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION]

Hst 478/578, 479/579 RUSSIAN CULTURAL AND INTELLECTUAL HISTORY (4, 4)
Analysis of primary sources. Hst 478/578: 19th century intelligentsia. Hst 479/579: 20th century mass culture -- films, novels, sport, and music. [CHANGE NUMBER FROM 474/574, 475/575, CREDIT HRS FROM (3, 3) TO (4, 4), DESCRIPTION]
Hst 485/585, 486/586 THE OTTOMAN WORLD AND MODERN TURKEY (4, 4)
Study of social, cultural, and governmental patterns in Ottoman and Turkish society, from Hungary to the Red Sea, from the 13th century to the present. Hst 485/585: Ottoman world in the 13th-16th century, rise of world empire in the Balkans and Middle East; 17th and 18th century Age of Doubt, Tulip Period. 486/586: Modern Turkey in the 20th century; revolutionary Westernization in the Middle East. Prerequisite, Hst 485: Hst 101 or 385. Hst 486: Hst 102, 386. [CHANGE NUMBER FROM 480/580, 481/581, CREDIT HRS FROM (3, 3) TO (4, 4), DESCRIPTION, PREREQUISITES, DELETE 482/582]

Hst 487/587 PALESTINE AND ISRAEL (4)
Prerequisites: Hst 102, 386, or 485. [CHANGE NUMBER FROM 483/583, CREDIT HRS FROM (3) TO (4), PREREQUISITES]

Hst 488/588 MODERN ARABIA (4)
Prerequisites: Hst 102, 386, or 485. [CHANGE NUMBER FROM 484/584, CREDIT HRS FROM (3) TO (4), PREREQUISITES]

Hst 495 COMPARATIVE WORLD HISTORY (4)
Comparative examination of important themes in Asian, African, European, and Western Hemisphere historical experience. Both the themes and regional focus vary each term, and themes may be drawn from any time period. Possible themes include: The Roman and Chinese Empires; Money, Trade, and Empire, 1500-1800; The Thirteenth Century World; Gender and Identity, 1750-Present. (Maximum number of credits is 12; 4 credits each for three courses with different topics). [CHANGE NUMBER FROM 492, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION, DELETE 592, 493/593, 494/594]

Hst 496/596 INTRODUCTION TO PUBLIC HISTORY (4)
An introduction to the field of public history with special emphasis on the research methods, procedures, and work in the practice of public history, from archival management to historic preservation and museum studies. Taught in cooperation with the professional staff of the Oregon Historical Society. This course is a prerequisite for Hst 404/504, Public History Internships. [CHANGE NUMBER FROM 412/512, TITLE, CREDIT HRS FROM (3) TO (4), DESCRIPTION]

*Hst 497/597 FILM AND HISTORY (4)
(Maximum number of credits is 12; 4 credits each for three courses with different topics). [CHANGE NUMBER FROM 495/595, CREDIT HRS FROM (3) TO (4), MAXIMUM NUMBER OF CREDITS]

Hst 500 INTRODUCTION TO THE MA PROGRAM IN HISTORY (4)
An introduction to the professional study of history and to the writing of the masters thesis. Intended for new or recently entering graduate students in history. [NEW]

Hst 503 THESIS (credit to be arranged.)
Hst 509 PRACTICUM (Credit to be arranged.)
[NO CHANGE]
Chinese

Chn 101, 102, 103 FIRST-YEAR CHINESE (5,5,5)
Chn 201, 202, 203 SECOND-YEAR CHINESE (5,5,5)
[DELETE LANGUAGE LABORATORY STATEMENT]

Chn 301, 302, 303 THIRD-YEAR CHINESE (4,4,4)
Intermediate conversation, reading, writing, vocabulary building, and grammar. Introduction to literary and expository texts. Prerequisite: Chn 203. Prerequisite: Chn 203. [CHANGE CREDIT HRS FROM (3,3,3) TO (4,4,4), DESCRIPTION]

*Chn 304 CHINESE NEWSPAPER READINGS (4)
Prerequisite: Chn 203. [CHANGE CREDIT HRS FROM (3,3) TO (4), PREREQUISITE, DELETE 305]

*Chn 306 BUSINESS CHINESE (4)
Prerequisite: Chn 203; Chn 303 and 304 recommended. [CHANGE CREDIT HRS FROM (3) TO (4), PREREQUISITE]

*Chn 311, 312, 313 INTRODUCTORY CLASSICAL CHINESE (4,4,4)
Investigate classical structures, build vocabulary, and introduce works from all genres and periods. Recommended as a complement to third-year Chinese; preparation for advanced work in either modern or classical Chinese. Prerequisite: Chn 203. [CHANGE CREDIT HRS FROM (3,3,3) TO (4,4,4), DESCRIPTION]

*Chn 341 TOPICS IN CHINESE LITERATURE AND THOUGHT: SERVICE AND RETREAT (4)
Interdisciplinary readings from the core of the written tradition, including history, poetry, classical anecdotes and essays, related to the central issues facing the Chinese elite throughout history: whether, how, and under what conditions to serve the state. Conducted in English. [CHANGE CREDIT HRS FROM (3) TO (4), COURSE TITLE, DESCRIPTION]

*Chn 342, 343 CHINESE VERNACULAR LITERATURE (4,4)
342 emphasized traditional poetry and fiction from 700 BC to the late nineteenth century; 343 emphasizes influential works of the twentieth century, from semi-traditional to avant-garde. Conducted in English. [CHANGE CREDIT HRS FROM (3,3) TO (4,4) DESCRIPTION]

*Chn 411, 412 ADVANCED CHINESE (4,4)
Development of facility with complex patterns in conversation, reading and writing. Topics such as "current Chinese News and Opinion," "Twentieth Century Chinese Thought," "Documentary Chinese," "The structure of Chinese." Prerequisite: Chn 303; Chn 304, 311, 312 also recommended. [CHANGE CREDIT HRS FROM (3,3,3) TO (4,4) COURSE TITLE, DESCRIPTION, PREREQUISITE]

Mathematical Sciences

Stat 243, 244 INTRODUCTION TO PROBABILITY AND STATISTICS I, II (4, 4)
Stat 366 INTRODUCTION TO EXPERIMENTAL DESIGN (4)
Stat 460/560 APPLIED STATISTICS FOR ENGINEERS AND SCIENTISTS (4)
[CHANGE CREDIT HRS FROM (3) TO (4)]

Physics

BA/BS in Physics: Make Physics options more flexible.

Ph 314, 315 EXPERIMENTAL PHYSICS I (4, 4)
Experiments in electrical measurements, digital logic circuits with applications to experimental control and computer interfacing, and analog circuits. Two 3-hour lab periods. Ph 314 requires concurrent enrollment in Ph 321. [CHANGE TITLE, CREDIT HRS FROM (2, 2) TO (4, 4), DESCRIPTION]
Ph 316 EXPERIMENTAL PHYSICS I (3)
Two 3-hour laboratory periods. [CHANGE TITLE, CREDIT HRS FROM (2) TO (4), LAB HRS FROM (4) TO (6)]

Ph 414/514 METHODS OF EXPERIMENTAL PHYSICS II (2) [DROP]

Ph 415/515 EXPERIMENTAL PHYSICS II (3)
Prerequisite: Ph 203 or Ph 213. [CHANGE TITLE, CREDIT HRS FROM (2) TO (3), PREREQUISITES]

Ph 464/564 APPLIED OPTICS (4)
Prerequisites: Ph 203 or 213 and Mth 254. [CHANGE PREREQUISITES, DELETE FOOTNOTE-DOES NOT CARRY GRADUATE CREDIT FOR M.A., M.S. IN PHYSICS]

Art

Art 318 GRAPHIC DESIGN/ADVANCED LETTERING (3) [DELETE COURSE]

Art 320, 321, 322 GRAPHIC DESIGN II (4,4,4)
Prerequisites: Art 224, 225, 226, 227, 228, 229. [CHANGE CREDIT HRS FROM (3) TO (4), PREREQUISITES]

Art 326, 327, 328 COMPUTER GRAPHICS II (4,4,4)
Art 326: Students create visual designs for digital and offset reproduction using QuarkXPress and other software applications. Experience with page composition, typesetting, typographic design, b&w scanning, color selection, importing graphics and structure complex documents. Work-flow and production issues, including color pre-press. Art 327: Experience with drawing, painting, layering, masking, transformation tools, custom typography and incorporate pixel images. Assignments will focus on illustrations for digital and offset reproduction using Adobe Illustrator. Other software applications may be used as needed. Art 328: Explores photographic manipulation, painting, drawing, and collage. Students prepare illustrations for digital and offset reproduction using Adobe Photoshop and other applications. Experience will be gained with color scanning, retouching, image processing, and masking techniques. Theoretical aspects of pixel-based imaging technologies, including color theory, resolution, halftoning, and pre-press will be discussed. In-class projects and exercises are designed to provide a framework for using state-of-the-art computer graphics technology for image-making and exploring visual concepts. Primary focus of all courses in this sequence is to create and produce professional visual design solutions. Prerequisites: Art 115, 116, 117 or 224, 225, 226, 227, 228, 229. [CHANGE CREDIT HRS FROM (3,3,3) TO (4,4,4), CREATE SEQUENCE, CHANGE TITLE, DESCRIPTION, PREREQUISITE]

Art 466, 467, 468 GRAPHIC DESIGN III (4,4,4)
Three-term sequence of advanced graphic design studio assignments that offer students design problems of greater complexity and broader scope than experienced in Graphic Design II. Emphasis on design theory, computer graphics, practical application of "real-world" design problems, portfolio development, professionalism in finished artwork for portfolio review. These courses must be taken in sequence. Prerequisites: Art 320, 321, 322. [CHANGE CREDIT HRS FROM (3,3,3) TO (4,4,4), DESCRIPTION]

Art 470 GRAPHIC DESIGN/PORTFOLIO (3) [DELETE COURSE]
Guidelines for 4-Credit Conversion: Course and Program Changes

Overview

The following are the guidelines for the conversion of courses from 3 to 4 credit hours under the emerging 4-credit course model. In preparing these guidelines the Graduate Council committee (GC) respects the autonomy of departments and disciplines in structuring their curricula and encourages departments to engage in overall program evaluation and to be realistic about the ability to offer courses on a regular basis. The GC also wants to ensure that program requirements drive the assignment of course credit and that there is flexibility within the notion of "typical" course credit.

The 4-credit conversion also provides an opportunity for departments to re-evaluate their programs and courses, and to eliminate those courses from the Bulletin which are no longer offered on a regular basis. Such "phantom" courses prove particularly troublesome to students planning their academic programs.

General Guidelines for Conversions

A principal goal of these guidelines is to insure program integrity as represented within the University Bulletin's Catalog Issue. The Bulletin should accurately reflect what courses each department is offering on a consistent basis. Realistic information and description of courses and programs should be provided so students can plan their academic programs and careers. To achieve this goal in the conversion process, the following general guidelines are suggested:

1. **Credit Value**... Graduate Course credit should be assigned on the basis of 1 graduate credit for 4 hours of work per week (one hour in class, and a minimum of 2-3 hours for each hour of class time... work is educational activity, including class attendance, that a student needs to do to complete the course satisfactorily).

2. **400-500 Courses**... The GC assumes that if a 400/500 level course is converted that the conversion to 4-credits will apply to both the 400 and 500 levels. The GC will continue to require that a higher standard of evaluation, or extra work, will be required of graduate students in 400/500 courses.
3. **Cross-Listing**: Each department should pay careful attention to cross-unit issues (dependence on courses in other departments) and should check with every relevant department to ensure that any impacted cross-listed courses will continue to be offered after conversion. The idea is to eliminate the confusion with x-listed and required courses which are taught from another department.

4. **Accreditation**: Departments and schools/colleges should give appropriate review of proposed changes to ensure that accreditation needs are met, that cross-listed issues are addressed, and that course changes are consistent with programs, majors, minors, and certificates.

5. **Stability**: Changes to 4-credit should not result in any net increase in credits required for a major, minor, certificates or credit program. Program stability must be maintained so that approval questions are not raised for new or existing program changes.

Departments should provide specific justification for any net increases in the total number of credits offered by the department as listed in the Catalog. The 4-credit conversion should result in fewer courses overall and fewer courses offered per term. All courses listed in the University Bulletin’s Catalog Issue must be offered on a regular basis. The GC recognizes that departments that must offer a large number of service courses (e.g., languages, math) may need special accommodation to meet this guideline.

**Documentation of Conversions**

The 4-credit conversion is not mandatory. Some departments may convert only a few courses, or may convert courses gradually over a number of years. To ensure Bulletin integrity in cases of partial or gradual conversion, the GC will now expect that any new course proposed, and any increase in credit hours for existing courses, be matched by an equal reduction in credits or specific justification based on new faculty. To facilitate the GC review of changes, the following simple documentation is requested with headings as noted: Rationale, Overall Effect, Net Gain Justification, Cross-Listing Concurrence, Accreditation, Program.

**Net Change**: Departments which are affecting 4-credit conversion for all or the majority of their courses should provide a summary listing of affected courses and total credits added or dropped, with a summary statement of net loss or gain.

**Justification of Gain**: For any net gain in total credits in any department, a statement justifying that net gain, even if only one course is changed. GC is concerned about maintaining Bulletin integrity in the event of partial and gradual changes, and we urge departments and schools/colleges to pay particular attention to this issue of net gain in courses to complete a program.

**Cross-Listing Concurrence**: When any department cross-lists a new or changed course, or has a major, minor, or certificate or other program which is dependent on a course offering in another department, a statement from the initiating unit that the "outside" department(s) was contacted and concurs with the change is expected. Such Cross-Listing Concurrence will indicate that the cross-listed or dependent course will continue to be offered on a regular basis.

GC hopes that these points could be covered by a 1-2 page memo with appropriate topic side headings. Such a memo would contain: statements that indicate: (a) Rationale . . . why change is occurring and the overall effect on the graduate program which the courses support, (b) Net Change or reduction in credits in courses, (c) Net Gain justification . . . the justification of gain (or loss) of number of courses, or a reduction in required courses within a program; and (d) Cross-Listing Concurrence from any outside programs or departments affected by this change.
TO: The Faculty Senate
FROM: David Holloway

Re: Interim, preliminary response to the Senate 6 February resolution on 4-hour conversion

The UCC met (for the first time this year) last Wednesday, March 27. The Chair, newly appointed as of March 21, also attended a meeting of the University Planning Committee. The UCC has no procedures or protocols to recommend formally at this time but will proceed to protocols necessary for the conversion. One immediate concern is timing. The following outlines important factors to be considered in making the conversion by Fall 1996, the date mentioned in the Feb. 6 Senate resolution:

<table>
<thead>
<tr>
<th>Deadlines perhaps necessary for Departments starting the conversion process now.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dates for the normal sequence of review (as presently with English)</strong></td>
</tr>
<tr>
<td>Apr 1995</td>
</tr>
<tr>
<td>Pre</td>
</tr>
<tr>
<td>1a: Development of new programs or reconfigurations are usually approved in general or in principle by PSU administration, esp. for budget.</td>
</tr>
<tr>
<td>1b: OAA sends out forms, procedures, deadlines to be used for curricular changes; colleges then pass these “protocols” on to their respective departments.</td>
</tr>
<tr>
<td>May 1995</td>
</tr>
<tr>
<td>'94</td>
</tr>
<tr>
<td>2: Proposals are developed by departments and/or by administrative directive involving faculty from several departments, new hires, etc.</td>
</tr>
<tr>
<td>3: Proposals are put into standard hard-copy formats for New Programs (Majors, etc.), New Courses, Changes in Programs, and Changes in Courses.</td>
</tr>
<tr>
<td>June 1995</td>
</tr>
<tr>
<td>'95</td>
</tr>
<tr>
<td>5: Proposals are prepared by each college's staffs for consideration by a college curriculum committee. Colleges negotiate changes with the Depts.</td>
</tr>
<tr>
<td>6: Each college's proposals are collected and sent to the Office of Academic Affairs (OAA), which checks for adherence to University and State System policy and then organizes (a) Undergraduate proposals for UCC review and (b) Graduate proposals for Graduate Council review.</td>
</tr>
</tbody>
</table>

### Summary of Protocols

- **Fall 1994:** Proposals are developed by departments and/or by administrative directive involving faculty from several departments, new hires, etc.
- **Summer 1995:** Proposals are put into standard hard-copy formats for New Programs (Majors, etc.), New Courses, Changes in Programs, and Changes in Courses.
- **Winter 1995:** Proposals are prepared by each college's staffs for consideration by a college curriculum committee. Colleges negotiate changes with the Depts.
- **Summer 1995:** Proposals are collected and sent to the Office of Academic Affairs (OAA), which checks for adherence to University and State System policy and then organizes (a) Undergraduate proposals for UCC review and (b) Graduate proposals for Graduate Council review.

### Interim Protocols for 4-Credit Conversion

**Course and Program Changes**

The following are the interim protocols for 4-credit conversion of courses under the 4-credit course model adopted by the University. In developing these protocols, the University Curriculum Committee (UCC) has addressed two principal issues: the general curricular guidelines for changing courses from 3 to 4 credits, and the format that documentation for those courses should take.

In preparing these protocols, the UCC has noted and concurred with the statement in the University Planning Council’s memorandum to the Faculty Senate of 11 December 1994: the committee respects the autonomy of departments and disciplines in structuring their curricula, and wants to ensure that program requirements drive the assignment of course credit, such that there is flexibility within the notion of “typical” course credit.

The 4-credit conversion provides an opportunity for departments to completely re-evaluate their programs and courses, and in particular to eliminate from the Bulletin courses...
which are no longer offered on a regular basis (such "phantom" courses prove particularly troublesome to students planning their academic programs). We urge departments to engage is such evaluation as they consider course conversions and to be realistic about their expectations and abilities to offer courses on a regular basis.

**GENERAL GUIDELINES FOR CONVERSIONS:** A principal goal of these protocols is to insure Bulletin integrity. That is, the Bulletin should accurately reflect what courses each department is offering on a consistent basis, with sufficient description of courses and programs to provide students with the information they need to plan their academic programs.

To achieve this, the following general guidelines should be followed:

1. **Purpose of Credits.** Course credit should be assigned on the basis of 1 credit for 3 hours of work per week (work is educational activity, including class attendance, that a typical student needs to do to satisfactorily complete the course).

2. **Credits per Contact Hours.** Absent additional information from a department, the UCC will assume that for lower division courses, (1) 1 credit will be given for each scheduled hour of lecture, recitation, discussion, seminar or other faculty contact hour; and (2) 1 credit will be given for every 3 scheduled laboratory hours per week with little or no work required outside the formal hours scheduled for the laboratory. This credit formulation will be less applicable to upper division courses where advanced students may be expected to complete more hours of work outside of scheduled class hours.

3. **400/500 Courses.** If a department wants to convert a 400/500 course to 4 credits, the UCC expects both the graduate and undergraduate course to become 4 credits. Of course, a department may always choose to keep a course at 3 credits. And any course change proposal for a 400/500 course will have to be approved by both the UCC and the Graduate Council.

4. **Interdependence.** Each department should pay careful attention to cross-unit issues (dependence on course in other departments) and should check with every relevant department to ensure that the impacted courses will continue to be offered after conversion.

5. **Accreditation Requirements.** Departments and schools/colleges should give rigorous review of proposed changes to ensure that accreditation needs are met, that cross-unit issues are addressed, and that course changes are consistent with programs, majors, minors, and certificates.

6. **No Net Credit Increases for Programs.** Changes to 4-credit should not result in any net increase in credits required for a major, minor, or credit program.

7. **No Net Credit Increases for the Catalogue.** Departments should provide specific justification for any net increases in the total number of credits offered by the department as listed in the catalogue. The 4-credit conversion should result in fewer courses overall, and fewer course offered per term. All courses listed in the catalogue must be offered on a regular basis. The UCC recognizes that departments that must offer a large number of service courses (e.g., languages, math) may need special accommodation to meet this guideline.

The 4-credit conversion is not mandatory, some departments may convert only a few courses, or may convert courses gradually over a number of years. To ensure Bulletin integrity in terms of partial or gradual conversion, the UCC recognizes that any new course proposed, and any increase in credit hours for existing courses, be matched by an equal reduction in credits or a specific justification based on new faculty.

### DOCUMENTATION of CONVERSIONS:

A. **Particular course and program changes:** In order to avoid duplication of effort, the UCC tries to use for its review purposes the same documentation which the OAA requires from departments. To our knowledge, OAA is not planning any modification of its forms for new courses or course changes. Hence, the documentation required of departments by the UCC in the 4-credit conversion will consist of the forms submitted to OAA for course changes and for new courses.

   However, for batches of similar course changes, OAA and hence the UCC will consider combinations of courses listed together using the form for "Proposal for Change in Existing Course." Substantially transformed or newly designed courses should continue to use the forms for "Proposal for a New Course." Changes in major/minor requirements, etc., should use the "Change in Existing Program" forms.

B. **Overview of Department-wide Conversion from 3 to 4 Credits:** In addition to separate forms, departments are expected to provide an overall cover summary of changes, including the following:

1. **Net Credits Summary.** For departments which are effecting 4-credit conversion for all or the majority of their courses, a listing of total credits added and dropped, with a statement of net loss or gain in credits.

2. **Net Credits Explanation.** For any net gain in total credits in any department, a statement justifying that net gain, even if only one course is changed. (We are concerned about maintaining Bulletin integrity in the event of partial and gradual changes; we urge departments, schools, and colleges to pay particular attention to this.)

3. **Cross-Listing and Interdependence Statement(s).** When any department cross-lists a new or changed course, or has a major, minor, or certificate or other program which is dependent on a course offering in another department, a statement from the "outside" department(s) that the cross-listed or dependent course will continue to be offered on a regular basis.

The overall summary should take the following form:

<table>
<thead>
<tr>
<th>Proposal for Department-wide Conversion from 3 to 4 Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Net credits Summary:</strong></td>
</tr>
<tr>
<td><strong>Course Number</strong></td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Net credit balance ± hrs</strong></td>
</tr>
<tr>
<td><strong>2. Net Credits Explanation:</strong></td>
</tr>
<tr>
<td><strong>3. Cross-Listing Statement(s):</strong></td>
</tr>
</tbody>
</table>
SUPPLEMENT FOR
THE FACULTY
SENATE
MEETING

DECEMBER 4, 1995

Undergraduate and Graduate Course and Program Proposals for
the Fall 1996 Time Schedule and the
1996-97 PSU Bulletin

Note: The material in this document is for purposes of discussion only
by the faculty, students, staff, and administration at Portland State
University. Its contents have not been acted upon and therefore do
not represent PSU's curricula or policies in this form. Please note any
typographical and other errors for correction at the 12/4 meeting.

This document was prepared by David Holloway (Curriculum Com-
mittee) with assistance from Lewis Goslin (Graduate Council) and
Linda Devereaux (OAA).

For distribution, 11/28/95
Robert Liebman, Secretary to the Faculty

PORTLAND STATE UNIVERSITY
Supplement for the Faculty Senate Meeting December 4
Undergraduate and Graduate Course and Program Proposals
for the Fall 1996 Time Schedule and the 1996-97 PSU Bulletin

Key to abbreviations:
**CHANGE HRS 3»4** = CHANGE CREDIT HOURS FROM (3) TO (4)
**PREREQ = PREREQUISITE(S)**  */alt year = ALTERNATE YEAR

(Summaries of graduate programs taken from the Annual Report of the Graduate Council for Graduate Programs, Senate mailing #E1.)

NOTE: many courses and programs reached the Curriculum Committee and Graduate Council too late for consideration at the December Senate meeting. Some of these, plus proposals now being submitted, will be considered in 1996 for Fall 1997 and for the 1997-98 meeting. Some of these, plus proposals now being submitted, will be considered in 1996 for Fall 1997 and for the 1997-98

At the time of this mailing, committee action was not final on some proposals. Modifications to this list will be announced at the meeting. Because of the huge volume of proposals, errors might still have occurred; the committees' recommendations assume that some clerical and proofreading corrections might well follow Senate approval.

Undergraduate program changes are not listed here if they only make obvious changes for four-hour conversion purposes.

**COLLEGE OF LIBERAL ARTS AND SCIENCES**

**Anthropology**

BA/BS in Anthropology: Delete 380 requirement; for Ling 290 or Math 244. Allow one-course lower division substitution for upper division. Clarify grading policies and foreign language requirement.

Minor in Anthropology: 1-credit increase; liberalizes some choices.

MA in Anthropology: Deletes linguistics requirement and replaces it with statistical methods or qualitative data analysis.

**Anth 101 INTRODUCTION TO PHYSICAL ANTHROPOLOGY (4)**  */CHANGE NUMBER FROM 170, HRS 3»4*

**Anth 102 INTRODUCTION TO ARCHAEOLOGY (4)**  */CHANGE NUMBER FROM 150, HRS 3»4*

**Anth 103 INTRODUCTION TO SOCIAL/CULTURAL ANTHROPOLOGY (4)**

• The study of modern and recent societies in cross-cultural perspective. Focus on methods for understanding social and cultural differences and similarities.  */CHANGE COURSE NUMBER FROM 110, HRS 3»4, DESCRIPTION*

**Anth 175 EVOLUTIONARY CONCEPTS**  */DROP*

**Anth 300 THE MODERN WORLD IN ANTHROPOLOGICAL PERSPECTIVE (4)**  */CHANGE HRS 3»4*

**Anth 304 SOCIAL ANTHROPOLOGY (4)**

Human social organization is examined in cross-cultural perspective. Analysis of kinship systems in stateless societies and of the state and other institutional arrangements in complex societies. Attention to the historical development of major theoretical approaches to social organization: structural functionalism, structuralism, human ecology, sociobiology, political economy, postmodernism. Designed for anthropology majors and minors. NOTE: This course is not approved for distribution credits. Prerequisite: 103.  */CHANGE HRS 3»4, DESCRIPTION, PREREQ*

**Anth 305 CULTURAL ANTHROPOLOGY (4)**

• Explores the historical development of the concept of culture within anthropology and examines how this concept and the theories based on it have shaped both fieldwork practices and production of ethnographic texts. Designed for Anthropology majors and minors. NOTE: This course is not approved for distribution credits. Prerequisite: Anth 103.  */CHANGE HRS 3»4, DESCRIPTION, PREREQ*

**Anth 312 SOUTHEAST ASIAN SOCIETIES AND CULTURES (4)**

• An introduction to the societies and cultures of Southeast Asia, the area encompassed today by the nations of Burma (Myanmar), Thailand, Laos, Cambodia, Vietnam, Malaysia, Singapore, Brunei, Indonesia, and the Philippines. Course topics explore the religious and cultural diversity of the area, as well as historical and cultural themes that traverse this region. Prerequisite: students are strongly encouraged to complete Anth 103 before enrolling in this course.  */NEW*

• Anth 313 INDIAN-WHITE RELATIONS (4)  */NEW*

• Anth 314 NATIVE AMERICANS (4)  */CHANGE HRS 3»4*

• Anth 315 AMERICAN CULTURE (4)  */CHANGE HRS 3»4, ADD alternate year*

**Anth 316 TRADITIONAL EAST ASIA (4)**

• A comparative ethnographic examination of peasant cultures in East Asia (China, Japan, Korea) prior to World War II. Prerequisite: students are strongly encouraged to complete Anth 103 before enrolling in this course.  */CHANGE HRS 3»4, DESCRIPTION, PREREQ*

**Anth 317 PEOPLES OF THE PACIFIC (4)**

**Anth 318 PEOPLES AND CULTURES OF THE MIDDLE EAST (3)**  */DROP*

**Anth 319 TRADITIONAL CULTURES OF AFRICA (4)**

**Anth 350 ARCHAEOLOGICAL METHOD AND THEORY (4)**

• Methods and results of the study of prehistoric cultures of Europe form the earliest traces until the advent of written records. Prerequisite: Anth 350. Not taught every year.  */CHANGE HRS 3»4, DESCRIPTION, ADD alternate year*

**Anth 363 MIDDLE EASTERN PREHISTORY (3)**  */DROP*

**Anth 364 PACIFIC NORTHWEST PREHISTORY (4)**

**Anth 365 NORTH AMERICAN PREHISTORY (4)**  */CHANGE HRS 3»4*

**Anth 366 MESOAMERICAN PREHISTORY (4)**

Early cultures of Mesoamerica with an emphasis on the domestication of plants and animals and the development of civilization, focusing on the Maya and Highland Mexico. Prerequisite: Anth 350. Not taught every year.  */CHANGE COURSE TITLE; HRS 3»4, DESCRIPTION, ADD alternate year*

**Anth 367 EAST ASIAN PREHISTORY (4)**

• The archaeology of China, Japan, and Korea from about 1 million years ago to the establishment of the Yamato State in Japan. Focuses on developments during the past 18,000 years, including the domestication of plants and animals, the spread of agriculture, and the development of civilization and regional states. Prerequisite: Anth 350. Not taught every year.  */CHANGE HRS 3»4, DESCRIPTION, ADD alternate year*

**Anth 368 OCEANIA PREHISTORY (4)**

Reviews issues related to the peopling of Australia about 40,000 years ago, and subsequent voyaging and colonization of all parts of the South Pacific. Examines prehistoric cultural developments in Hawaii, New Zealand, Easter Island, and island groups in Micronesia. Examines evidence of human modification of island ecosystems. Prerequisite: Anth 350. Not taught every year.  */NEW*

**Anth 370 PALEOANTHROPOLOGY (5)**

Method and theory in paleoanthropology. A study of hominid human evolution from the Miocene to modern times. Emphasis will be placed on the interactions between biology and culture in the evolution of the
Bi 251, 252, 253 PRINCIPLES OF BIOLOGY (5,5,5) • A study of the basic principles of living organisms. The course will study both plants and animals and topics will include cell structure, energy production, nutrition, genetics, evolution, classification, excretion mechanisms of response, reproduction, and development, and ecology. Lab investigations will use laboratory, field study, and special readings. 4 hours lecture and one 3-hour laboratory. Prerequisite: Chem 221, 227 or concurrent enrollment in Chem 221, 227. *[CHANGE HRS from (4,4,4) to (5,5,5), DESCRIPTION, PREREQ]

Bi 375 GENERAL ECOLOGY (4) • [CHANGE HRS 3+4]

Bi 387 VERTEBRATE ZOOLOGY (6) • Introduction to the classification, anatomical characteristics, distribution, and life habits of fishes, amphibians, reptiles, birds, and mammals. Two 2-hour laboratories. Prerequisite: one year of college-level biology or zoology. *[CHANGE HRS from (5) to (6), DESCRIPTION, PREREQ]

Bi 413/513 HERPETOLOGY (6) • Study of the distinguishing features, anatomy, physiology, origins, evolution, and ecology of amphibians and reptiles. North American species are emphasized. Two 2-hour lectures, two 2-hour laboratories. Prerequisite: Bi 387. *[CHANGE HRS from (4) to (6), DESCRIPTION]

Bi 414/514 ORNITHOLOGY (6) • Study of the diversity, characteristics, evolution, structure, function, distribution, and life habits of birds. North American species are emphasized. Two 2-hour lectures, two 2-hour laboratories. Prerequisite: Bi 387. *[CHANGE HRS from (5) to (6), DESCRIPTION]

Bi 415/515 MAMMALOLOGY (6) • Study of the diversity, characteristics, evolution, structure, function, distribution, and life habits of mammals. North American species are emphasized. Two 2-hour laboratories. Prerequisite: Bi 387. *[CHANGE HRS from (4) to (6), DESCRIPTION]

Bi 416/516 MARINE MAMMALS (6) • Study of the distinguishing features, classification, origins, evolution, physiology, anatomy, behavior, ecology, and status of groups of marine mammals. Prerequisite: Bi 387. Offered alternate years. *[CHANGE HRS from (4) to (6), DESCRIPTION]

Bi 423/523 MICROBIAL ECOLOGY (4) • Study of the interaction of microorganisms with each other and plants and animals; soil and aquatic systems; microbial evolution; cycles of matter; biodegradation and microbial pest control. Prerequisite: Bi 420. *[CHANGE HRS 3+4, DESCRIPTION]

Bi 424/525 MOLECULAR GENETICS (4) • Prerequisite: Bi 338. *[CHANGE HRS 3+4, PREREQ]

Bi 426/526 EVOLUTION (4) • Examination of micro- and macroevolutionary patterns in the evolution of life, with an emphasis on the mechanisms of evolution. One 2-hour recitation period. Prerequisite: Bi 341. *[CHANGE HRS 3+4, DESCRIPTION]

Bi 430/530 THEORY OF RECOMBINANT DNA TECHNIQUES (3) • Prerequisite: Bi 338. *[CHANGE PREREQ]

Bi 432/532 MORPHOLOGY OF NONVASCULAR PLANTS & FUNGI (4) • Study of the morphology, structure, and life history of algae, bryophytes, and fungi from an evolutionary point of view. One 3-hour laboratory. Prerequisite: Bi 253 or equivalent. *[CHANGE COURSE NUMBER FROM 332, 333 TO 432/532, COURSE TITLE, CREDIT HRS FROM (4,4) to (4), DESCRIPTION]

Bi 433/533 MORPHOLOGY OF VASCULAR PLANTS (4) • Study of the gross morphology, development, and structure of roots, stems, and flowers from an evolutionary point of view. One 3-hour laboratory. Prerequisite: Bi 253 or equivalent. *[CHANGE COURSE NUMBER FROM 332, 333 TO TITLE, DESCRIPTION, CREDIT HRS FROM (4,4) to (4)]

Bi 434/534 PLANT ANATOMY (5) • Study of the structure of meristems, cells, tissue systems of roots, stems, leaves, flowers, and fruits from the developmental and comparative standpoint. One 3-hour laboratory. Prerequisite: Bi 253. *[CHANGE DESCRIPTION]

Bi 475/575 LIMNOLOGY AND AQUATIC ECOLOGY (4) • [CHANGE HRS 3+4]

Black Studies

Certificate in Black Studies and Minor in Black Studies: Language updated. Adds more Caribbean focus. Adjust to 4-hour multiples.

BSt 203, 204 INTRODUCTION TO AFRICAN-AMERICAN HISTORY (4, 4) • [CHANGE HRS from (3, 3, 3) to (4, 4), DELETE 202]

*BSt 205 INTRODUCTION TO AFRICAN STUDIES (4)

BSt 206 INTRODUCTION TO CARIBBEAN STUDIES (4)

BSt 221 INTRODUCTION TO AFRICAN-AMERICAN LITERATURE (4) • [CHANGE HRS 3+4]

BSt 233 BLACK MINORITY AND AMERICAN POLITICS (3) • [DROP]

BSt 261 THE AFRICAN-AMERICAN ECONOMIC EXPERIENCE (4)

BSt 302 AFRICAN-AMERICAN EXPERIENCE IN THE 20TH CENTURY (4)

BSt 305 AFRICAN HISTORY, 1500-1800 (4)

BSt 306 AFRICAN HISTORY, 1800-PRESENT (4) • [CHANGE HRS 3+4]

BSt 319 TRADITIONAL CULTURES OF AFRICA (4) • Survey of African cultures. Some of the main features examined include: environment and people, oral traditions, time and seasons, naming and numbering systems, language and communication systems, religious, political and legal institutions, music, dance, and family. Prerequisite: BSt 205 or sophomore level inquiry. *[NEW]

*BSt 351, 352 AFRICAN-AMERICAN LITERATURE (4, 4) • [CHANGE HRS from (3, 3, 3) to (4, 4), DELETE 353]

BSt 362 AFRICAN PREHISTORY (4) • Methods, sources of evidence and the results of the study of prehistoric cultures of Africa from the earliest traces until the first written records; it includes human origins (physical and cultural evolution), the earliest civilization, peopling of Africa, migrations, earliest settlements, origins of agriculture and metallurgy. Prerequisites: BSt 205, Anth 102. *[NEW]

BSt 397 PREPARATION FOR INTERNATIONAL EXPERIENCE (4) • Examines the related aspects (including cultural, economic, religious, political, physical, emotional, and communications-based aspects) of an overseas experience, and presents strategies for developing and appropriate level of preparedness to meet the challenges of working and traveling in an international setting. Emphasis will be on the general methodology and process required to develop personal awareness and resources necessary for any successful international field experience. *[NEW]

BSt 406/506 OVERSEAS EXPERIENCE (4) • Provides community-based learning in an international context through immersion in departmental programs in Africa and/or the Caribbean. The fee-based programs provide students with rich, multicultural environments in which to learn and serve international communities. Students will be asked to apply for admission to the overseas programs focused in the Caribbean and Africa. *[NEW]

BSt 415/515 JUSTICE AND THE AFRICAN-AMERICAN EXPERIENCE (3) • [DROP]

*BSt 411/511 AFRICAN-AMERICAN HISTORY SEMINAR (4)

BSt 412/512 OREGON AFRICAN AMERICAN HISTORY (4)

*BSt 413/513 SLAVERY (4)

*BSt 414/514 RACISM (4) • [CHANGE HRS 3+4]

BSt 415/515 JUSTICE AND THE AFRICAN-AMERICAN EXPERIENCE (3) • [DROP]

November 21, 1985: OAA/HL revised November 28, 1985 by D. Holloway for Doc. 4, Senate Meeting
*BST 416/516 AFRICAN-AMERICAN URBAN EDUCATION PROBLEMS (4)

*BST 417/517 THE AFRICAN/AMERICAN FAMILY (4)

*BST 419/519 AFRICAN-AMERICAN WOMEN IN AMERICA (4)

*BST 420/520 CARIBBEAN LITERATURE (4)

*BST 421/521 AFRICAN-AMERICAN WRITERS (4)

*BST 422/522, 423/523 AFRICAN FICTION (4, 4)

BST 424/524 AFRICAN-AMERICAN AFRICAN CULTURE IN CINEMA (4)

BST 425/525 BLACK CINEMA: THE 1970S (4)

BST 426/526 CONTEMPORARY AFRICAN-AMERICAN CINEMA (4)

* [CHANGE HRS 3-4]

BST 427/527 AFRICAN-AMERICAN FILMS AND FILM MAKERS (4)

Examination of films made by African-Americans from the early years of cinema history down through contemporary films. Examination will include a focus on the internal structure and content of the films as well as consideration of the larger social, cultural, economic and political context of the society in which the films were produced. 

* [NEW]

*BST 430/530 AFRICAN-AMERICAN POLITICAL THOUGHT (4)

* [CHANGE TITLE, HRS 3-4, DELETE BST 431/531]

BST 440/540 CARIBBEAN STUDIES (4) * [CHANGE HRS 3-4]

BST 450/550 TOPICS IN AFRICAN/CARIBBEAN HISTORY AND CULTURE (4) * [IN-DEPTH EXPLORATION OF SELECTED TOPICS IN AFRICAN AND CARIBBEAN CULTURAL HISTORY. SPECIAL ATTENTION WILL BE GIVEN TO THEMATIC ISSUES OF BROAD APPLICATION TO THE UNDERSTANDING OF CULTURAL INTERACTION, CONTINUITY AND CHANGE. [NEW]

BST 460/560 COMMUNITY ECONOMIC DEVELOPMENT AND POVERTY (3) * [DROP]

BST 464 MINORITY BUSINESS PERSPECTIVES (4) * [CHANGE HRS FROM (3, 3, 3) TO (4), DELETE 465, 466]

*BST 467/567 AFRICAN DEVELOPMENT ISSUES (4) * [CHANGE TITLE, HRS 3-4]

BST 468/568 AFRICAN ECONOMIC HISTORY * [DROP]

BST 470/570 AFRICAN ART (4)

*BST 484/584 AFRICAN-AMERICAN COMMUNITY DEVELOPMENT (4) * [CHANGE HRS 3-4]

Chicano/Latino Studies

This undergraduate certificate program and related courses are still under discussion and will not be presented to the Senate at this time.

Chemistry

Ch 160 PHYSICAL SCIENCE (4) * An integrated survey of fundamental principles of physics and chemistry. The course is designed for students majoring in fields other than chemistry, physics, geology or who wish a broad view of the principles of several physical sciences needed. Elementary algebra is used in this course.

* [CHANGE HRS 3-4, DESCRIPTION, DELETE 161]

Ch 167 PHYSICAL SCIENCE LAB (1) * [CHANGE DESCRIPTION TO DELETE REFERENCE TO CH 161]

Ch 170 FUNDAMENTALS OF ENVIRONMENTAL CHEMISTRY (4) * A course designed to increase the scientific knowledge of the non-science major. The interaction between science and society, the nature of matter and chemical reactions. Energy, radiation, and nuclear power. Soaps and detergents, noise pollution.

* [CHANGE HRS 3-4, DESCRIPTION]

*Ch 221, 222, 223 GENERAL CHEMISTRY (4, 4, 4) * Prerequisite for Ch 221: Mth 111 or concurrent enrollment. High school chemistry or equivalent is recommended.

* [CHANGE HRS FROM (4, 4, 3) TO (4, 4, 4), PREREQ]

Ch 224, 225, 226 UNIVERSITY CHEMISTRY * [DROP]

*Ch 227, 228 GENERAL CHEMISTRY LAB (1, 1) * [CHANGE CONCURRENT ENROLLMENT STATEMENT FROM REQUIRED TO RECOMMENDED]

*Ch 229 INTRODUCTORY CHEMICAL ANALYSIS (2) * Laboratory work to accompany Ch 229. Introduction to quantitative analytical techniques for the determination of selected species. Two 3-hour laboratory periods. Prerequisite: Ch 223 or concurrent enrollment. (Ch 229 is not offered in the Summer Session; therefore, a Summer Session student should enroll in Ch 229 in the following fall or spring term.) * [DELETE REFERENCES TO CH 226]

Ch 250 NUTRITION (4) * [CHANGE HRS 3-4]

Ch 320 QUANTITATIVE ANALYSIS (3) * Prerequisites: Ch 223 and 229.

* [CHANGE PREREQ]

Ch 331, 332 ELEMENTS OF ORGANIC CHEMISTRY I, II (4, 4) * [DELETE OR 226 FROM PREREQ]

Ch 334, 335, 336 ORGANIC CHEMISTRY I, II, III (4, 4, 4) * ... Concurrent enrollment in Ch 337 laboratory is recommended for Ch 335; concurrent enrollment in Ch 338 or Ch 339 laboratory is recommended for Ch 336. * [ADD LAB STATEMENT]

Ch 337 ORGANIC CHEMISTRY LAB I (2) * [CHANGE HRS FROM (1) TO (2), LAB HRS FROM 3 TO 4]

Ch 338 ORGANIC CHEMISTRY LAB II (nonmajors) (2) * [CHANGE HRS FROM (1) TO (2), LAB HRS FROM 3 TO 4]

Ch 339 ORGANIC CHEMISTRY LAB II (chem majors) (3) * [CHANGE HRS FROM (2) TO (3), LAB HRS FROM (3) TO (4)]

Ch 340, 341 PHYSICAL CHEMISTRY FOR THE BIOSCIENCES I, II (4, 4) * ... Ch 340 includes the study of heat, work, energy, entropy, vapor pressure, chemical equilibrium, and transport phenomena. Ch 341 covers chemical and enzyme kinetics, photochemistry, and spectroscopy.

* [CHANGE HRS FROM (3, 3, 4, 4), DESCRIPTION]

Ch 371 ENVIRONMENTAL CHEMISTRY I, II (4) * ... hazardous chemicals. * [CHANGE HRS FROM (3, 3) TO (4), DELETE 372, END OF DESCRIPTION, REFERENCES TO INDIVIDUAL COURSES]

Ch 375 ENVIRONMENTAL CHEMISTRY LAB (1) * [DELETE I, II FROM COURSE TITLE, AND 376]

Ch 411/511 CHEMICAL BONDING (4) * ...orbital theory, crystal field theory, and introduction to coordination theory. * [CHANGE HRS 3-4, DESCRIPTION]

Ch 412/512 ADVANCED INORGANIC CHEMISTRY (4) * ... organometallic chemistry, acids and bases, nonaqueous solvents, and descriptive chemistry of the elements. * [CHANGE HRS 3-4, DESCRIPTION]

Ch 413/513 * [DROP]

Ch 418/518 ADVANCED CHEMISTRY LAB (4) * [CHANGE HRS 3-4]

Ch 425/525 ELECTRONICS AND INSTRUMENTATION LAB (3)

* [CHANGE HRS FROM (2) TO (3)]

Ch 427/527 INSTRUMENTAL ANALYSIS LAB (3) * [CHANGE HRS FROM (2) TO (3)]

Ch 430/530, 431/531 ADVANCED ORGANIC CHEMISTRY (4, 4)

Prerequisite: Ch 336 and 442/552. Ch 430/530 is a prerequisite for 431/531. * [CHANGE HRS FROM (3, 3, 3) TO (4, 4), PREREQ, DELETE 432/532]

Ch 436/536 SPECTROMETRIC ANALYSIS (3)

Ch 443/543 COMPUTATIONAL CHEMISTRY (3) * [CHANGE HRS FROM (2) TO (3)]

Ch 450/550 BIOCHEMISTRY (4) * [CHANGE HRS FROM (3, 3) TO (4), DELETE 451/551]
Ch 493/593 BIOCHEMISTRY LAB (3) • Laboratory work to accompany Ch 490/590. One 4-hour laboratory period, plus one hour of lecture. Prerequisites: Ch 490/590 or concurrent enrollment. • [CHANGE HRS from (2) to (3), DESCRIPTION, PREREQ]

Ch 696 MOLECULAR STRUCTURE AND SPECTRA (3) • Prerequisite: 442/542. • [CHANGE PREREQ]

**Economics**

**BA/BS in Economics:** Adjusts to 4-hour multiples. Drops direct requirement for Mth 111. Updates Computer Science requirement.

**MA/MS in Economics:** Changes program requirements from credit hours earned to number of courses taken.

Ec 321 ECONOMIC FORECASTING (3) • [DROP]

Ec 340 INTERNATIONAL ECONOMICS (4) • Examines trade and financial relations among countries with an emphasis on policy perspectives. Outlines international policy options and the principles that govern world trade and financial arrangements. Regional and international trade organizations and currency arrangements will be discussed. Prerequisites: Ec 201, 202. • [NEW]

Ec 370 INTRODUCTION TO QUANTITATIVE ECONOMICS (4) • General survey of quantitative techniques useful for economic analysis. Focus on the applications of mathematical tools and simple regression analysis in economics. Quantitative topics will be introduced systematically with hands-on case studies and examples. Prerequisites: Ec 201, 202 and Mth 241. • [NEW]

Ec 375 MACROECONOMIC THEORY (4) • [CHANGE HRS 5,4]
Ec 376 MICROECONOMIC THEORY (4) • [CHANGE HRS 5,4]

Ec 415 ENGINEERING ECONOMICS (3) • [DROP]

Ec 416 MANAGERIAL ECONOMICS (4)
Ec 417/517 WOMEN IN THE ECONOMY (4)
Ec 418 CULTURAL ECONOMICS (4)
Ec 420/520 MONEY AND MONETARY SYSTEMS (4)
Ec 421/521 MONETARY THEORY AND POLICY (4) • [CHANGE HRS 3,4]

Ec 419/519 ECONOMICS OF RACE AND ETHNICITY (4) • Survey of the economic history of ethnic groups in the United States, various economic theoretical perspectives advanced to account for past and current experiences of people of color in the U.S. economy, and examination of selected economic policy issues. Prerequisites: Ec 201, 202. • [NEW]

Ec 425/525 ECONOMICS OF INDUSTRIAL ORGANIZATION (4) • Study based upon the application of microeconomic theory to the analysis of firms, markets, and industries. Search for economic explanations for the structure of markets and for the behavior of the firms which trade in them. Seeks also to explain the internal organization of firms and to assess the efficiency of the market in determining organization. Prerequisite: Ec 201; Ec 376 recommended. • [CHANGE HRS 3,4, DESCRIPTION, AND PREREQ]

Ec 426/526 ECONOMICS OF REGULATION (4) • Study of government regulation designed to control—or at least to influence—the performance of the market in specific ways. Historical and economic analyses of three main forms of regulation: direct regulation of monopoly and competition, and social regulation to protect the environment and the individual. Prerequisite: Ec 201. • [CHANGE HRS 3,4, DESCRIPTION, PREREQ]

Ec 430/530 REGIONAL ECONOMICS (4)
Ec 431/531 URBAN ECONOMICS (4)
Ec 432/532 ENVIRONMENTAL ECONOMICS (4)
Ec 435/535 PUBLIC SPENDING AND DEBT POLICY (4)
Ec 436/536 TAXATION AND INCOME POLICIES (4) • [CHANGE HRS 3,4]

Ec 440/540 INTERNATIONAL TRADE THEORY AND POLICY (4)
• Theories of international trade. Analysis of the normative aspects of trade including the gains from trade and the effect of trade on economic welfare. Examination of international trade policy and issues of economic integration, economic growth and current trade problems. Prerequisites: Ec 201, 202; Ec 376 recommended. • [CHANGE HRS 3,4, DESCRIPTION]

Ec 441/541 INTERNATIONAL MONETARY THEORY AND POLICY (4)
• Prerequisites: Ec 201, 202; Ec 375 recommended. • [CHANGE HRS 3,4, ADD RECOMMENDED COURSE]

Ec 442/542 THE MULTINATIONAL ENTERPRISE IN THE WORLD ECONOMY (4) • [CHANGE HRS 3,4]

Ec 443/543 ECONOMIC INTEGRATION (3) • [DROP]

Ec 445/545 COMPARATIVE ECONOMIC SYSTEMS (4)
Ec 446/546 ECONOMIC SYSTEMS OF THE WESTERN PACIFIC RIM (4) • [CHANGE HRS 3,4]

Ec 450/550 THIRD-WORLD ECONOMIC DEVELOPMENT (4)
• Characteristics of less developed countries. Population problems and other obstacles to economic development. Roles of agriculture, industry and foreign trade. Foreign investment and economic aid. Theories of economic development and underdevelopment. Prerequisites: Ec 201, 202. • [CHANGE HRS 3,4, DESCRIPTION]

Ec 451/551 THIRD-WORLD ECONOMIC DEVELOPMENT (3) • [DROP]

Ec 453/553 THEORY OF ECONOMIC GROWTH (4)
Ec 456/556 AMERICAN ECONOMIC HISTORY: THE FIRST CENTURY (4)
Ec 457/557 AMERICAN ECONOMIC HISTORY: THE 20TH CENTURY (4) • [CHANGE HRS 3,4]

Ec 460/560 HISTORY OF ECONOMIC THOUGHT (4) • Selections from the economic writings of various thinkers from antiquity through the Reformation. A survey of the work of the most important economic theorists of the 18th, 19th, and 20th centuries including Adam Smith, Ricardo, Marx, Marshall, Veblen and Keynes. Readings include original writings and interpretations by later economists. Scholars will be studied in terms of their historical context and the contemporary relevance of the theories and policy recommendations. Prerequisites: Ec 201, 202. • [CHANGE HRS 3,4, DESCRIPTION]

Ec 461/561 HISTORY OF ECONOMIC THOUGHT (3) • [DROP]

Ec 465/565 ECONOMICS OF LABOR MARKETS (4)
Ec 466/566 LABOR INSTITUTIONS AND POLICY (4) • [CHANGE HRS 3,4]

Ec 472/572 ECONOMETRIC FORECASTING AND SIMULATION (4)
• Prerequisite: Ec 370. • [CHANGE HRS 3,4, PREREQ]

Ec 480/580 MATHEMATICAL ECONOMICS (4) • Prerequisites: Ec 201, 202, 370. • [CHANGE HRS 3,4 AND PREREQ]

Ec 481/581 MATHEMATICAL ECONOMICS II (3) • [DROP]

Ec 537 SEMINAR IN PUBLIC FINANCE (3) • Prerequisite: Ec 376. • [ADD PREREQ]

Ec 554 SEMINAR IN THIRD-WORLD ECONOMIC ISSUES (3) • [DROP 451 AS PREREQ]

Ec 559 SEMINAR IN U.S. ECONOMIC HISTORY (3) • [DROP]

Ec 567 SEMINAR IN LABOR ECONOMICS (3) • Discussion of recent theoretical research on advanced topics in labor economics will serve as the context for student research. Topics vary. Prerequisites: Ec 375, 376; Ec 465/565 or 466/566 recommended. • [NEW]

Ec 570 ECONOMETRICS (3) • The theory and application of statistical regression, hypothesis testing, and simulation of econometric models. Emphasizes model construction and efficient use of economic data. Problems of multicollinearity, heteroscedasticity, autocorrelation, and distributed lags are discussed. Some familiarity with calculus, matrix algebra, and computer...
applications are assumed. Prerequisite: Ec 370. •[DELETE CORRESPONDING 470, CHANGE TITLE, DESCRIPTION, PREREQ]

Ec 571 ADVANCED ECONOMETRICS (3) •Topics on econometric applications in consumption and production models, Bayesian econometrics, nonparametric estimation and prediction. Prerequisite: Ec 570. •[DELETE CORRESPONDING 471, CHANGE TITLE, DESCRIPTION, PREREQ]

Ec 573 SEMINAR IN QUANTITATIVE ECONOMICS (3) •Prerequisites: Ec 580, 570. •[CHANGE HRS FROM 3»4]

Ec 583 IMPACT ASSESSMENT (3) •Prerequisite: Ec 376. •[ADD PREREQ]

Ec 585 COST-BENEFIT ANALYSIS (3) •Prerequisite: Ec 376. •[CHANGE PREREQ]

Ec 586 PROJECT EVALUATION (3) •Prerequisite: Ec 376. •[ADD PREREQ]

Ec 588 ECONOMIC AND POLITICAL DECISION MAKING (3) •[DROP]

Ec 595 RESEARCH METHODS (3) •Application of economic analysis and economic methodology to field research problems. Analytic and quantitative methods used by economists, including the estimation and testing of econometric models; the use of other statistical procedures for model description and inference; nonlinear specification and estimation; linear and nonlinear system models. Data resources available to the practicing economists will be covered. Prerequisite: Ec 570. •[CHANGE TITLE, DESCRIPTION, PREREQ]

Ec 596 RESEARCH PROJECT (3) •Intended for graduate students to complete the field project requirement. Course activities include: independent reading on researchable field-related topics; individual development of a research project, i.e., selection of a subject and plan of study; and periodic reporting of individual research progress projects. Prerequisite: Ec 595. •[CHANGE TITLE, DESCRIPTION, PREREQ]

Ec 597 RESEARCH PROJECT (3) •[DROP]

English

BA in English: Requires coursework from each of five “Groups.” Major and Minor adjusted to 4-hour multiples.

Minor in Professional Writing: rearranges requirements for Foundation courses and electives.

Eng 100 INTRODUCTION TO LITERATURE (4) •[CHANGE HRS 3»4]
Eng 104 INTRODUCTION TO FICTION (4) •[CHANGE HRS 3»4]
Eng 105 INTRODUCTION TO DRAMA (4) •[CHANGE HRS 3»4]
Eng 106 INTRODUCTION TO POETRY (4) •[CHANGE HRS 3»4]

Eng 107, 108 WORLD LITERATURE (4, 4) •[CHANGE HRS FROM (3, 3), TO (4, 4), DELETE 109]

Eng 201, 202 SHAKESPEARE (4, 4) •Study of the important plays: Eng 201: the early plays; Eng 202: the later plays. •[CHANGE HRS FROM (3, 3) TO (4, 4), DESCRIPTION, DELETE 203]

Eng 204, 205 SURVEY OF ENGLISH LITERATURE (4, 4) •From Beowulf to 1900: Eng 204; Beowulf to Milton; Eng 205, Enlightement through Victorian period. •[CHANGE HRS FROM (3, 3) TO (4, 4), DESCRIPTION, DELETE 206]

Eng 253, 254 SURVEY OF AMERICAN LITERATURE (4, 4) •[CHANGE HRS FROM (3, 3) TO (4, 4), DELETE 255]

Eng 256 INTRODUCTION TO AFRO-AMERICAN LITERATURE (4) •[CHANGE HRS 3»4]

Eng 260 INTRODUCTION TO WOMEN'S LITERATURE (4) •[CHANGE HRS 3»4]

Eng 300 CRITICAL APPROACHES TO LITERATURE (4) •Study of analytical and evaluative methods through application of critical theories to literary works. Recommended for, but not restricted to, English majors. Prerequisite: upper-division standing and 8 credits in literature. •[CHANGE HRS FROM 4»5, DESCRIPTION]

Eng 306 TOPICS IN LITERATURE AND POPULAR CULTURE (4) •[CHANGE HRS 3»4]

Eng 307 SCIENCE FICTION (4) •[CHANGE HRS FROM (3, 3) TO (4, 4)]
Eng 308 CULTURAL STUDIES IN LITERATURE (4) •[CHANGE HRS 3»4]
Eng 309 AMERICAN INDIAN LITERATURE (4) •[CHANGE HRS 3»4]
Eng 311 TRAGEDY (4) •[CHANGE HRS 3»4]

Eng 312 COMEDY AND SATIRE (4) •Study of drama and other literature that expresses comic social judgment, either to satirize or to celebrate. •[CHANGE HRS FROM 3»4, DESCRIPTION, DELETE 313]

Eng 314 THE EPIC (4) •[CHANGE HRS 3»4]
Eng 315 THE SHORTER POEM (4) •[CHANGE HRS 3»4]
Eng 316 THE SHORT STORY (4) •[CHANGE HRS 3»4]
Eng 317 GREEK MYTHOLOGY (4) •[CHANGE HRS 3»4]
Eng 318 THE BIBLE AS LITERATURE (4) •[CHANGE HRS 3»4]
Eng 319 NORTHERN EUROPEAN MYTHOLOGY (4) •[CHANGE HRS 3»4]

Eng 320, 321 ENGLISH NOVEL (4, 4) •[CHANGE HRS FROM (3, 3) TO (4, 4), DELETE 322]

Eng 351, 352 AFRO-AMERICAN LITERATURE (4, 4) •[CHANGE HRS FROM (3, 3) TO (4, 4), DELETE 353]
Eng 364, 365 AMERICAN FICTION (4, 4) •[CHANGE HRS FROM (3, 3) TO (4, 4), DELETE 366]

Eng 371 THE NOVEL (4) •The novel as a literary form exemplified by works written in languages other than English. •[CHANGE HRS FROM (3, 3) TO (4), DESCRIPTION, DELETE 372, 373]

Eng 384, 385 CONTEMPORARY LITERATURE (4, 4) •[CHANGE HRS FROM (3, 3) TO (4, 4), DELETE 386]

Eng 411/511, 412/512 ENGLISH DRAMA (4, 4) •Development of English drama from the beginnings to Shaw. Eng 411/511, from liturgical drama through the Renaissance; Eng 412/512, from the Restoration to Shaw. Prerequisite: 12 credits in literature. •[CHANGE HRS FROM (3, 3) TO (4, 4), DESCRIPTION, DELETE 413/513]

Eng 420/520 CARIBBEAN LITERATURE (4) •[CHANGE HRS 3»4]
Eng 421/521, 422/522 AFRICAN FICTION (4, 4) •[CHANGE HRS FROM (3, 3) TO (4, 4)]

Eng 425/525 PRACTICAL GRAMMAR (4) •Prerequisites: successful completion of Wr 323 and 12 credits in literature. •[CHANGE HRS FROM (3, 3) TO (4, 4), PREREQ FROM 15 HRS TO 12]

Eng 426/526, 427/527 MEDIEVAL LITERATURE (4, 4) •Prerequisite: 12 credits in literature. •[CHANGE HRS FROM (3, 3) TO (4, 4), PREREQ FROM 15 HRS TO 12]

Eng 430/530, 431/531 LITERATURE OF THE RENAISSANCE (4, 4) •Prerequisite: 12 credits in literature. •[CHANGE HRS FROM (3, 3) TO (4, 4), PREREQ FROM 15 HRS TO 12]

Eng 440/540, 441/541 SEVENTEENTH CENTURY LITERATURE (4, 4) •Prerequisite: 12 credits in literature. •[CHANGE HRS FROM (3, 3) TO (4, 4), PREREQ FROM 15 HRS TO 12]

Eng 443/543, 444/544 BRITISH WOMEN WRITERS (4, 4) •Prerequisite: 12 credits in literature. Eng 260 recommended. •[CHANGE HRS FROM (3, 3) TO (4, 4), PREREQ FROM 15 HRS TO 12]

Eng 445/545, 446/546 AMERICAN WOMEN WRITERS (4, 4) •Prerequisite: 12 credits in literature. Eng 260 recommended. •[CHANGE HRS FROM (3, 3) TO (4, 4), PREREQ FROM 15 HRS TO 12]

Eng 447/547 MAJOR FORCES IN LITERATURE (4) •Prerequisite: 12 credits in literature. •[CHANGE HRS FROM 4»5, PREREQ FROM 15 TO 12]
Eng 448/548 MAJOR FIGURES IN LITERATURE (4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS 3,4, PREREQ from 15 to 12]*

Eng 450/550, 451/551 EIGHTEENTH CENTURY LITERATURE (4,4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS from (3,3) to (4,4), PREREQ from 15 hrs to 12)]

Eng 458/558, 459/559 LITERATURE OF THE ROMANTIC PERIOD (4,4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS from (3,3) to (4,4), PREREQ from 15 hrs to 12)]

Eng 460/560, 461/561 AMERICAN LITERATURE: BEGINNINGS TO 1865 (4,4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS from (3,3,3) to (4,4), PREREQ from 15 hrs to 12, DELETE 462/562]*

Eng 463/563, 464/564 AMERICAN LITERATURE 1865-1955 (4,4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS from (3,3,3) to (4,4), PREREQ from 15 hrs to 12, DELETE 465/565]*

Eng 467/567, 468/568 AMERICAN LITERATURE AND CULTURE(4,4)  •Prerequisite: 12 credits of literature. *[CHANGE HRS from (3,3,3) to (4,4), PREREQ from 15 hrs to 12, DELETE 469/569]*

Eng 474/574 TEACHING HIGH SCHOOL LITERATURE (4)  •[CHANGE HRS 3,4]*

Eng 475/575, 476/576 LITERATURE OF THE VICTORIAN PERIOD (4,4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS from (3,3) to (4,4), PREREQ from 15 hrs to 12)]

Eng 477/577, 478/578 AMERICAN POETRY (4,4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS from (3,3,3) to (4,4), PREREQ from 15 hrs to 12, DELETE 479/579]*

Eng 480/580 MODERN BRITISH LITERATURE (4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS 3,4, PREREQ from 15 hrs to 12, DELETE 481/581]*

Eng 482/582 CONTEMPORARY BRITISH LITERATURE (4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS 3,4, PREREQ from 15 hrs to 12, DELETE 483/583]*

Eng 484/584 MODERN DRAMA (4)  Eng 485/585 CONTEMPORARY DRAMA (4)  Eng 486/586 CONTEMPORARY AMERICAN NOVEL (4)  Eng 487/587 CONTEMPORARY AMERICAN SHORT STORY (4)  Eng 488/588 CONTEMPORARY AMERICAN POETRY (4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS 3,4, PREREQ from 15 CR to 12)]

Eng 490/590 RHETORIC (4)  •Prerequisites: Wr 323 and 12 credits in literature. *[CHANGE HRS 3,4, PREREQ from 15 hrs to 12)]

Eng 491/591, 492/592 LITERARY CRITICISM (4,4)  •Study of the history, principles, and practice of literary criticism from Plato into the 20th century. Prerequisite: 12 credits in literature. *[CHANGE HRS from (3,3,3) to (4,4), DESCRIPTION, PREREQ from 15 hrs to 12, DELETE 493/593]*

Eng 494/594 TOPICS IN CRITICAL THEORY AND METHODS (4)  •Prerequisite: 12 credits in literature. *[CHANGE HRS 3,4, PREREQ from 15 hrs to 12)]

Wr = all writing courses except 121 and 323  •[CHANGE HRS 3,4]*

### Foreign Languages and Literatures

**Major in a Foreign Language:** Increases minimum credits from 48 to 52. Substitutes more a more general upper-division requirement instead of specified 400-level courses.

**Minor in a Foreign Language:** Keeps same 24 hour total but simplifies subcategories while adjusting Linguistics requirement.

**MA in Foreign Languages:** Decreases requirements by one credit.

*FL 493/593 LANGUAGE PROFICIENCY TESTING AND TEACHING (4)  •Prerequisite: three years of a foreign language. Taught in English.  *[CHANGE HRS 3,4, PREREQ]*

*FL 498/598 METHODS OF TEACHING FOREIGN LANGUAGE (4)  •Prerequisite: three years of a foreign language. Taught in English.  *[CHANGE HRS 3,4, PREREQ]*

### Arabic

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ar 101, 102, 103</td>
<td>FIRST-YEAR LITERARY ARABIC</td>
<td>(5, 5, 5)</td>
</tr>
<tr>
<td>Ar 201, 202, 203</td>
<td>SECOND-YEAR LITERARY ARABIC</td>
<td>(5, 5, 5)</td>
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### Chinese

- *Chn 420, 421 READINGS IN CHINESE LITERATURE (4,4)  •Reading, analysis and discussion of representative literary texts, on topics such as "Chinese Nativist Literature," "Chinese Urban Literature," "Traditional Chinese Fiction," "Chinese Classical Masterpieces." Conducted primarily in Chinese. Prerequisite: Chn 303; Chn 304, 311, 312 also recommended. **[NEW]***

- *Chn 490 HISTORY OF THE CHINESE LANGUAGE (4)  •History of the Chinese language and language family, with emphasis on the development of the current standard language. Evolution of phonology, morphology and syntax in spoken Chinese, development of the Chinese writing system, history of Chinese lexicography, and current language policy. Prerequisite: At least one course in**
Fr 101, 102, 103 FIRST-YEAR FRENCH (5,5,5)
Fr 150, 151 FIRST-YEAR FRENCH (Intensive) (7,8)
Fr 434, 435, 436 INTRODUCTION TO FRENCH LITERATURE (4,4,4)
Fr 437/537 MODERN FRENCH LITERATURE (4) • Prerequisites: at least 8 credits from Fr 341, 342, or 343.
Fr 450/550 HISTORY OF THE FRENCH LANGUAGE (4)
• Prerequisites: Fr 302.
Fr 494/594 FRENCH LINGUISTICS (4) • Introduction to the basic concepts of linguistics and their application to the French language. Emphasis on practical analysis of the sound and the grammatical systems. Brief survey of the historical development, followed by an analysis of the phonetics, phonemics, morphology, and syntax of modern French. Taught in English. Prerequisites: Fr 203, 325.
Fr 497/597 APPLIED FRENCH LINGUISTICS (4) • Prerequisites: Fr 302 and 4 credits of linguistics.
Fr 551 FRENCH POETRY (4)
Fr 552 FRENCH DRAMA (4)
Fr 553 FRENCH PROSE (4)
Fr 560 PRINCIPLES OF LITERARY RESEARCH: FRENCH (4)
Fr 584 FRENCH STYLISTICS (4) • Prerequisites: at least 8 credits from Fr 341, 342, or 343.
Prerequisite: Fr 302. - [NEW]

Ger 101, 102, 103 FIRST-YEAR GERMAN (5,5,5)
Ger 150, 151 FIRST-YEAR GERMAN (INTENSIVE) (7,8)
Ger 201, 202, 203 SECOND-YEAR GERMAN (5,5,5) • [DELETE LANGUAGE LAB REQUIREMENT STATEMENT]
Prerequisite: Ger 201. - [NEW]

Fr 301, 302 THIRD-YEAR FRENCH (4,4) • [CHANGE HRS from (3,3,3) to (4,4), DELETE 303]
Fr 325 FRENCH PHONETICS AND PHONOLOGY (4) • [CHANGE HRS 3=4]
Fr 330 TOPICS IN CULTURE AND CIVILIZATION (4) • The development of French life, thought, and arts of different periods, from the Middle Ages to the 20th century; for example, Pre-Revolution, Revolution through 19th century, and contemporary. Prerequisite: Fr 203. 4 hours of 300 level French strongly recommended. • [CHANGE HRS from (3,3,3) to (4,4), DESCRIPTION, DELETE 331]
Fr 341, 342, 343 INTRODUCTION TO FRENCH LITERATURE (4,4,4)
• French literature from the Middle Ages to the present. Poetry, theater, and prose readings from representative authors. Prerequisite: Fr 203. Fr 301 or 302 strongly recommended. • [CHANGE HRS from (3,3,3) to (4,4,4), DESCRIPTION, PREREQ]
Fr 411/511, 412/512 ADVANCED FRENCH (4,4) • Prerequisite: Fr 302. • [CHANGE HRS from (3,3,3) to (4,4,4), PREREQ, DELETE 413/513]
Fr 414/514 ADVANCED GRAMMAR (4) • Prerequisite: Fr 302. • [CHANGE HRS from (2,2,2) to (4,4), PREREQ, DELETE 415/515, 416/516]
Fr 415/515 BUSINESS FRENCH (4) • Advanced work in the language of business and economics. Prerequisite: Fr 302. • [NEW]
Fr 417/517 TRANSLATION (4) • Special problems of translating between French and English based on a variety of texts, both literary and non-literary. • [NEW]
Fr 421/521 SEVENTEENTH-CENTURY FRENCH LITERATURE (4)
• Prerequisites: at least 8 credits from Fr 341, 342, or 343.
Fr 422/522 EIGHTEENTH-CENTURY FRENCH LITERATURE (4)
• Prerequisites: at least 8 credits from Fr 341, 342, or 343.
Fr 427/527 NINETEENTH-CENTURY FRENCH LITERATURE (4)
• Prerequisites: at least 8 credits from Fr 341, 342, or 343.
Fr 433/533, 434/534 TWENTIETH-CENTURY FRENCH LITERATURE (4,4)
• Prerequisites: at least 8 credits from Fr 341, 342, or 343.
Fr 435/535 FRANCOPHONE LITERATURE OF THE 20TH CENTURY (4)
• Readings in 20th century literature of French expression from outside metropolitan France: i.e., Africa, Quebec, and Caribbean. • [NEW]
Fr 441/541 MAJOR WORKS IN TRANSLATION (4) • Study of texts representative of major French authors, periods, themes or genres in translation: such topics as Classical drama, Realism, contemporary novel, Flaubert, and Camus. Readings, lectures, and discussion in English. Prerequisites: 4 credits of upper division literature. • [CHANGE CREDITS FROM (3,3) to (4), COURSE TITLE, DESCRIPTION, PREREQ]
Fr 442/542 MEDIEVAL WORKS IN TRANSLATION (4) • Study of texts from the French middle ages. Readings, lectures, and discussion in English. Prerequisites: 4 credits of upper division literature. • [CHANGE HRS from 3=4, COURSE TITLE, DESCRIPTION, PREREQ]
Fr 490/590 HISTORY OF THE FRENCH LANGUAGE (4)
• Prerequisites: Fr 302.
Fr 494/594 FRENCH LINGUISTICS (4) • Introduction to the basic concepts of linguistics and their application to the French language. Emphasis on practical analysis of the sound and the grammatical systems. Brief survey of the historical development, followed by an analysis of the phonetics, phonemics, morphology, and syntax of modern French. Taught in English. Prerequisites: Fr 203, 325.
Fr 497/597 APPLIED FRENCH LINGUISTICS (4) • Prerequisites: Fr 302 and 4 credits of linguistics.
Fr 551 FRENCH POETRY (4)
Fr 552 FRENCH DRAMA (4)
Fr 553 FRENCH PROSE (4)
Fr 560 PRINCIPLES OF LITERARY RESEARCH: FRENCH (4)
Fr 584 FRENCH STYLISTICS (4) • Prerequisites: at least 8 credits from Fr 341, 342, or 343.
Prerequisite: Fr 302. - [NEW]

Ger 301 LISTENING AND SPEAKING (4) • Continued intensive practice in listening and speaking German. May be taken concurrently with Ger 302. Prerequisite: Ger 203. • [CHANGE HRS 3=4, COURSE TITLE, AND DESCRIPTION]
Ger 302 READING AND WRITING (4) • Continued intensive practice in reading and writing German. May be taken concurrently with Ger 301. Prerequisite: Ger 203. • [CHANGE HRS 3=4, COURSE TITLE, DESCRIPTION, DELETE 303]
Ger 320 GERMAN FOR THE BUSINESS AND PROFESSIONAL WORLD (4) • Intensive practice in scholarly, technical, and business language. Prerequisite: Ger 203. • [CHANGE HRS 3=4, COURSE TITLE, DESCRIPTION]
Ger 325 GERMAN PHONETICS AND PHONOLOGY (4) • [CHANGE HRS 3=4]
Ger 330 TOPICS IN CULTURE AND CIVILIZATION (4) • Study of the historical development of life, thought, and the arts in German speaking lands in times and places such as the Middle Ages, 19th-century Vienna, 20th-century Berlin, the Weimar period, or in fields such as film. Prerequisite: Ger 203. • [CHANGE TITLE, CREDIT HRS FROM (3,3,3) to (4), DESCRIPTION, DELETE 331, 332]
Ger 340 FUNDAMENTALS OF GERMAN LITERARY STUDIES (4) • An introduction to the study of German literature. Lectures and discussion on German prosody, genres, fundamentals of literary analysis and criticism. Taught in German. Prerequisite: Ger 203. • [CHANGE HRS FROM (2) to (4), DESCRIPTION]
Ger 341, 342 INTRODUCTION TO GERMAN LITERATURE (4,4)
• Prerequisite: Ger 203. Ger 340 is also strongly recommended.
• [CHANGE HRS from (3,3,3) to (4,4), PREREQ, DELETE 343]
Ger 411/511, 412/512 ADVANCED GERMAN (4,4) • Special features of German; selected writing and reading assignments, discussion. Prerequisite: Ger 302. • [CHANGE HRS from (3,3,3) to (4,4), DESCRIPTION, PREREQ, DELETE 413/513]
Ger 414/514 ADVANCED GERMAN GRAMMAR (4) • Prerequisite: Ger 302. • [CHANGE HRS 3=4, PREREQ, REMOVE GRADUATE DISCLAIMER]
Ger 415/515 BUSINESS GERMAN (4) • Advanced work in the language of business and economics. Prerequisite: Ger 302. • [NEW]
Ger 421/521 GERMAN SHORT PROSE (4)
Ger 422/522 18TH CENTURY GERMAN LITERATURE (4)
German

- Ger 427/527 THE AGE OF GOETHE (4)
- Ger 428/528 GERMAN ROMANTICISM (4)
- Ger 429/529 GERMAN REALISM AND NATURALISM (4)
  - Prerequisites: at least 8 credits from Ger 340, 341, or 342.
  - [CHANGE HRS 3-4, PREREQ]

- Ger 433/533, 434/534 GERMAN LITERATURE OF THE 20TH CENTURY (4,4)
  - Readings in modern poetry, drama, and prose. Ger 433/533: from the turn of the century to the end of World War II; Ger 434/534: from the post-war years to the present. Prerequisites: at least 8 credits from Ger 340, 341, or 342.
  - [CHANGE HRS from (3,3) to (4,4), DESCRIPTION, PREREQ, DELETE 435/535]

- Ger 441/541 MAJOR WORKS IN TRANSLATION (4)
  - Study of selections from masterpieces of German literature in translation, such as Goethe, the Weimar period, German Intellectual History, Ancient Myth in German Literature. Readings, lectures, and discussion in English. Prerequisite: 4 credits of upper division literature.
  - [CHANGE HRS 3-4, DESCRIPTION, PREREQ]

- Ger 490/590 HISTORY OF THE GERMAN LANGUAGE (4)
- Ger 494/594 GERMAN LINGUISTICS (4)
  - Prerequisite: Ger 302.
  - [CHANGE HRS 3-4, PREREQ]

- Ger 497/597 APPLIED GERMAN LINGUISTICS (4)
  - Prerequisites: Ger 302 and 4 credits in linguistics.
  - [CHANGE HRS 3-4, PREREQ]

- Ger 551 GERMAN POETRY (4)
- Ger 552 GERMAN DRAMA (4)
- Ger 553 GERMAN PROSE (4)
  - [CHANGE HRS 3-4, DELETE CONTENT AND METHODS DISCLAIMER]

- Ger 554 MIDDLE HIGH GERMAN (4)

Korean

- Kor 101, 102, 103 FIRST-YEAR KOREAN (5,5,5)
  - [DELETE LANGUAGE LAB STATEMENT]

Italian

- It 201, 202, 203 SECOND-YEAR ITALIAN (5, 5, 5)
  - [DELETE LANGUAGE LAB REQUIREMENT STATEMENT]

Japanese

- Jpn 101, 102, 103 FIRST-YEAR JAPANESE (5,5,5)
  - [DELETE LANGUAGE LAB STATEMENT]

- Jpn 150, 151 FIRST-YEAR JAPANESE (INTENSIVE) (7,8)
  - [A two-term course covering the content of Jpn 101,102,103. [CHANGE DESCRIPTION, ADD alternate year]

- Jpn 201, 202, 203 SECOND-YEAR JAPANESE (5,5,5)
  - [DELETE LANGUAGE LAB STATEMENT]

- Jpn 301, 302 THIRD-YEAR JAPANESE: SPEAKING AND LISTENING (4,4)
  - [CHANGE HRS 3-4, DESCRIPTION, DELETE 305]

- Jpn 305, 307 THIRD-YEAR JAPANESE: READING AND WRITING (4,4)
  - [CHANGE HRS 3-4, DESCRIPTION, DELETE 306]

- Jpn 325 JAPANESE PHONETICS AND PHONOLOGY (4)
  - [CHANGE HRS 3-4, ADD alternate year]

- Jpn 341, 342 TOPICS IN JAPANESE LITERATURE (4)
  - [Introductory survey of Japanese literature from its beginnings to the present, including such works as The Man'yoshu, The Tale of Genji, plays by Zeami and Chikamatsu, Basho's haiku, and masterpieces of modern fiction. Jpn 341 focuses on classical and medieval literature; Jpn 342 focuses on Tokugawa and modern literature. Conducted in English. Prerequisite: 8 credits of literature. [CHANGE TITLE, CREDIT HRS FROM (3, 3, 3) to (4, 4), DESCRIPTION, PREREQ, DELETE 343]

- Jpn 351 JAPANESE LITERATURE THROUGH FILM (4)
  - [Readings of masterpieces of Japanese literature and viewing of feature films based on them. Viewings are followed by discussion of the social, historical and artistic significance of the works. Readings and discussions are in English, and films have English subtitles. [NEW]

- Jpn 411/511, 412/512 ADVANCED JAPANESE (4, 4)
  - Prerequisites: Jpn 302, 305. [CHANGE TITLE, CREDIT HRS FROM (3, 3, 3) to (4, 4), PREREQ, DELETE GRAD CR QUALIFYING STATEMENT, DELETE 413/513]

- Jpn 420/520, 421/521 READINGS IN JAPANESE LITERATURE (4,4)
  - [Reading, analysis, translation, ... Prerequisites: Jpn 302, 305. [CHANGE HRS from (3, 3) to (4, 4), ADD WORD TRANSLATION TO DESCRIPTION, CHANGE PREREQ]

- Jpn 452/552 TRADITIONAL JAPANESE DRAMA (4)
  - An introduction to the classical forms of nō kyōgen, bunraku and kabuki. Students read plays and view videos of plays in performance, analyzing them in their historical, social, and performance contexts. Students have the option of performing short dances of plays in a class recital. Taught in English. [NEW]

- Jpn 477/577, 478/578 TEACHING JAPANESE AS A FOREIGN LANGUAGE (4, 4)
  - [CHANGE HRS from (3, 3, 3) to (4, 4), DELETE 479/579]
Kor 201, 202, 203 SECOND-YEAR KOREAN (5, 5, 5) • [DELETE LANGUAGE LAB REQUIREMENT STATEMENT]

Kor 301, 302 THIRD-YEAR KOREAN (4, 4) • Continued work in the Korean language in a widening variety of contexts. 301 emphasizes listening and speaking skills; 302 reading, writing, and vocabulary development. Prerequisite: Kor 203. • [CHANGE HRS from (3, 3, 3) to (4, 4), DESCRIPTION, DELETE 303]

Kor 409 PRACTICUM (Credit to be arranged.) • [NEW]

*Persian

*Per 101, 102, 103 FIRST-YEAR PERSIAN (5, 5, 5)
*Per 201, 202, 203 SECOND-YEAR PERSIAN (5, 5, 5) • [DELETE LANGUAGE LAB REQUIREMENT STATEMENT]

*Per 301, 302 THIRD-YEAR PERSIAN (4, 4) • [CHANGE HRS from (3, 3, 3) to (4, 4), DELETE 303]

*Portuguese

*Port 101, 102, 103 FIRST-YEAR PORTUGUESE (5, 5, 5)
*Port 201, 202, 203 SECOND-YEAR PORTUGUESE (5, 5, 5) • [DELETE LANGUAGE LAB REQUIREMENT STATEMENT]

*Port 301, 302 THIRD-YEAR PORTUGUESE (4, 4) • Continued work on the Portuguese language. Port 301 emphasizes listening comprehension and speaking, 302 grammatical patterns, reading and writing. May be taken concurrently. Prerequisite: Port 203. • [NEW]

Port 409 PRACTICUM (Credit to be arranged.) • [NEW]

Russian

Rus 101, 102, 103 FIRST-YEAR RUSSIAN (5,5,5)
Rus 150, 151 FIRST-YEAR RUSSIAN (INTENSIVE) (7,8)
Rus 201, 202, 203 SECOND-YEAR RUSSIAN (5,5,5) • [DELETE LANGUAGE LAB REQUIREMENT STATEMENT]

Rus 301, 302, 303 THIRD-YEAR RUSSIAN (4,4,4) • Focus on acquisition of vocabulary, practical application. Intensive practice in speaking listening, reading and writing. Prerequisite: Rus 203. • [CHANGE HRS from (3,3,3) to (4,4,4), DESCRIPTION, PREREQ]

Rus 325 RUSSIAN PHONETICS AND PHONOLOGY (4) • [CHANGE HRS 3»4]

Rus 330, 331 RUSSIAN CULTURE AND CIVILIZATION (3,3)
Rus 340 FUNDAMENTALS OF RUSSIAN LITERARY STUDIES (2) • [DROP]

Rus 341, 342 INTRODUCTION TO RUSSIAN LITERATURE (4,4) • Study of selected short stories of the 19th century. For non-native speakers only. Prerequisite: Rus 203. • [CHANGE HRS from (3,3,3) to (4,4) DESCRIPTION, DELETE 343]

Rus 411/511, 412/512, ADVANCED RUSSIAN (4,4) • Special problems of Russian grammar; selected writing and reading assignments and discussion. For non-native speakers only. • [CHANGE HRS from (3,3,3) to (4,4), DESCRIPTION, DELETE 413/513]

*Rus 427/527, 428/528 RUSSIAN LITERATURE OF THE 19TH CENTURY (4,4)
Rus 433/533, 434/534 RUSSIAN LITERATURE OF THE 20TH CENTURY (4,4) • [CHANGE HRS from (3,3,3) to (4,4), DELETE THIRD COURSE IN SEQUENCES]

*Rus 441, 541 RUSSIAN LITERATURE IN TRANSLATION: NINETEENTH CENTURY (4) • Major works of nineteenth-century Russian literature. Readings and discussion in English. Prerequisite: 4 credits of upper division literature. • [CHANGE HRS 3»4, COURSE TITLE, DESCRIPTION]

*Rus 442/542 RUSSIAN LITERATURE IN TRANSLATION: TWENTIETH CENTURY (4) • Major works of twentieth-century Russian literature. Readings and discussion in English. Prerequisite: 4 credits of upper division literature. • [CHANGE HRS 3»4, COURSE TITLE, DESCRIPTION, PREREQ]

Rus 443/543 RUSSIAN LITERATURE IN TRANSLATION • [DROP]

*Rus 494/594 RUSSIAN LINGUISTICS (4) • Prerequisite: Rus 303. • [CHANGE HRS 3»4, PREREQ, DELETE 495]

*Rus 497/597 APPLIED RUSSIAN LINGUISTICS (4) • Prerequisite: Rus 303. • [CHANGE HRS 3»4, PREREQ]

Serbo-Croatian

* [DELETE ALL SERBO-CROATIAN COURSES]

Spanish

Span 101, 103, 103 FIRST-YEAR SPANISH (5,5,5) • [DELETE LANGUAGE LAB REQUIREMENT STATEMENT]

Span 150, 151 FIRST-YEAR SPANISH (INTENSIVE) (7,8) • A two-term course covering the content of Span 101, 102, 103. • [CHANGE DESCRIPTION]

Span 201, 202, 203 SECOND-YEAR SPANISH (5,5,5) • [DELETE LANGUAGE LAB REQUIREMENT STATEMENT]

Span 301, 302 THIRD-YEAR SPANISH (4,4) • Continued work on the Spanish language. Span 301 emphasizes listening comprehension and speaking, 302 grammatical patterns, reading and writing. May be taken concurrently. Prerequisite: Span 203. • [CHANGE HRS from (3,3,3) to (4,4), DESCRIPTION, DELETE 303]

*Span 325 SPANISH PHONETICS AND PHONOLOGY (4) • [CHANGE HRS 3»4, ADD alternate year]

Span 330 PENINSULAR CULTURE AND CIVILIZATION (4) • Historical development of life, thought, and the arts in Spain. Prerequisite: Span 203. • [CHANGE HRS 3»4, COURSE TITLE, DESCRIPTION]

Span 331 LATIN AMERICAN CULTURE AND CIVILIZATION (4) • Historical development of life, thought, and the arts in Latin America. Prerequisite: Span 203. • [CHANGE HRS 3»4, COURSE TITLE, DESCRIPTION]

Span 332 HISPANIC CULTURE AND CIVILIZATION (4) • [DROP]

Span 340 FUNDAMENTALS OF HISPANIC LITERARY STUDIES (2) • [DROP]

Span 341, 342, 343 INTRODUCTION TO HISPANIC LITERATURE (4,4,4) • 341: Spanish literature from the Middle Ages to the Golden Age. 342: Spanish literature from the 18th century to the present. 343: Latin American literature from the end of the 19th century to the present. Readings from representative texts. Prerequisite: Span 203. • [CHANGE HRS from (3,3,3) to (4,4,4), DESCRIPTION, PREREQ]

Span 411/511 ADVANCED SPANISH (4) • Intensive training in composition, translation and conversation. May be taken concurrently with Span 414/514. Prerequisite: Span 301 and 302. • [CHANGE HRS from (3,3,3) to (4,4), COURSE TITLE, DESCRIPTION, PREREQ, DELETE 412/512, AND 413/513]

Span 414/514 ADVANCED GRAMMAR (4) • A thorough study of grammar and syntax for major and prospective teachers. May be taken concurrently with Span 411/511. Prerequisites: Span 301 and 302. • [CHANGE HRS from (2,2,2) to (4), COURSE TITLE, DESCRIPTION, PREREQ, DELETE 415/515, AND 416/516]

Span 421/521 MAJOR TOPICS: PENINSULAR PROSE (4) • Study, analysis, and critique of major prose works of Spain by authors such as Fernandez de Rojas, Cervantes, Galdós, Unamuno, and Goytisolo. Prerequisites: At least 8 credits of Span 341, 342, or 343. • [CHANGE HRS 3»4, COURSE TITLE, DESCRIPTION, PREREQ]

Span 422/522 MAJOR TOPICS: PENINSULAR DRAMA (4) • Study, analysis, and critique of major dramatic works of Spain by authors such as Lope de Vega, Tirso de Molina, Calderón de la Barca, Sorrilla, Garcia Lorca, and Buero Vallejo. Prerequisites: At least 8
Geog 121 THE DEVELOPING WORLD (3) [DROP]
Geog 122 THE DEVELOPED WORLD (3) [DROP]
Geog 199 SPECIAL STUDIES (Credit to be arranged.) [DELETE CONSENT OF INSTRUCTOR]
Geog 210 PHYSICAL GEOGRAPHY (4) • ...landforms, ecosystems, their distribution and significance. [CHANGE HRS 3»4, ADD TO DESCRIPTION]
Geog 215 PHYSICAL ENVIRONMENT OF PORTLAND (3) [DROP]
Geog 230 WORLD REGIONS AND LANDSCAPES (4) • Spatial patterns produced by human activities—population growth, transportation systems, urban structure, economic development, resource use and management and the evolution of political patterns—are considered in a global context. Case studies from both developed and developing world regions illustrate the processes by which humans modify their world to create distinctive cultural landscapes. •[CHANGE TITLE, HRS 3»4, DESCRIPTION]
Geog 250 PACIFIC NORTHWEST (4) • Study of the Pacific Northwest as a region of the United States. Overview of the region and its relationship to other parts of the world will be followed by an analysis of the physical environment, natural resources, agriculture, manufacturing, transportation, population, and urban development. Special attention will be paid to contemporary regional geography issues. •[CHANGE NUMBER FROM 371, HRS 3»4, DESCRIPTION]
Geog 270 USING MAPS (4) • Presents a basic entry into methods of understanding, interpreting and analyzing maps, spatial data, and aerial imagery. Fundamental concepts such as map scale, projections, coordinate systems, and types of thematic and general maps are presented. Students complete a series of exercises using maps and aerial imagery intended to familiarize them with spatial, map-based techniques useful in research and advanced coursework where geographic information processing is an important tool. •[CHANGE TITLE, HRS 3»4, DESCRIPTION]
Geog 280 COMPUTING IN GEOGRAPHY (3) [DROP]
Geog 311 CLIMATOLOGY (4) •[CHANGE HRS 3»4]
Geog 312 GEOMORPHOLOGY (3) [DROP]
Geog 313 BIOGEOGRAPHY (4) • ...environments. There is a full-day field trip across the Cascades to study changing vegetation types. Prerequisite: Geog 210. •[CHANGE HRS 3»4, DESCRIPTION]
Geog 322 MOUNTAINS (4) •[CHANGE HRS 3»4]
Geog 331 ECONOMIC GEOGRAPHY (4) • Prerequisite: upper division standing. •[CHANGE HRS 3»4, PREREQ]
Geog 332 URBAN GEOGRAPHY (4) • Introduction to the geographical factors affecting the development of the modern city. Topics include urban systems and the location of cities; residential, commercial, and industrial structure; social and physical characteristics of cities; the built environment; the urban economy; and planning the urban environment. Prerequisite: upper division standing. •[CHANGE HRS 3»4, DESCRIPTION, PREREQ]
Geog 335 GEOGRAPHY OF TRANSPORTATION (3) [DROP]
Geog 336 CONTEMPORARY WORLD CITIES (3) [DROP]
Geog 345 RESOURCE MANAGEMENT (4) • Survey of natural resources, their occurrence and their management. Primary focus will be on the United States, with case studies from other countries and regions. Prerequisite: upper division standing. •[CHANGE HRS 3»4, DESCRIPTION]
Geog 346 WORLD POPULATION AND FOOD SUPPLY (4) •[CHANGE TITLE, HRS 3»4]
Geog 347 ENVIRONMENTAL ISSUES AND ACTION (4) • Examines environmentalism as a phenomenon reflecting cultural appraisals
of nature and society's relationship to it. Explores the history and ideology of the environmental movement, and investigates the contemporary structure, concerns, effects, critiques, and directions of environmentalism. Prerequisite: upper division standing. •[NEW]

Geog 348 NATURE AND SOCIETY (4) •Introduction to geographic perspectives on cultural ecology. Investigates cultural adaptation and environmental change from an ecological perspective, focusing on biomes and cultural adaptations within them. Particular attention to traditional societies and the impacts of development. Prerequisite: upper division standing. •[NEW]

Geog 349 MOUNTAINS - CULTURAL LANDSCAPES (4) •Mountains as cultural landscapes. Exploration of the human occupation and use of mountain environments, including the long-settled mountains of Eurasia and Latin America as well as North America's mountains. Topics include human adaptation, mountain resource management and policy, and development and its impacts in highland environments. Prerequisite: Geog 322 or 346. •[NEW]

Geog 350 GEOGRAPHY OF WORLD AFFAIRS (4) •Examines the major world trouble spots in light of long-standing political-geographical rivalries, including ethnic group rivalries, economic disparities, and conflicting historical claims. Particular emphasis will be placed on political organization of territory, nationalism, boundary conflicts, colonialism, and where relevant, metropolitan political fragmentation. Prerequisite: upper division standing. •[CHANGE NUMBER FROM 3,4, DESCRIPTION]

Geog 351 EAST ASIA (3) •[DROP]

Geog 353 PACIFIC RIM (4) •Provides a comprehensive look at the events and people shaping the last 150 years of Asia-Pacific history and relates them to Pacific Basin relationships today. Reveals how, from the 19th century onward, modern nations have emerged from the rich and varied cultures and society of Asia Pacific. Particular emphasis is placed on political and economic geography of East Asia in relation to contemporary American and Japanese interests in the region. Prerequisite: upper division standing. •[CHANGE HRS 3,4, DESCRIPTION, PREREQ]

Geog 354 EUROPE (4) •Focuses on the changing economic and political geography of Europe, post World War II, and the adjustments to changing world conditions. Analysis of the geographic conditions of individual countries. Examines their population, urban and rural settlements, physical geography, agriculture, and industry. Prerequisite: upper division standing. •[CHANGE TITLE, HRS 3,4, DESCRIPTION, PREREQ]

Geog 355 EASTERN EUROPE (3) •[DROP]

Geog 356 THE RUSSIAN COMMONWEALTH (4) •... institutions that have shaped them. •[CHANGE TITLE, HRS 3,4, DELETE LAST LINE OF DESCRIPTION]

Geog 360 LATIN AMERICA (4) •Analysis of changing landscapes and lifeways in Latin America. The focus is on physical, cultural and economic forces that have interacted to create a distinctive world region. Particular attention is given to the impact of large scale issues such as global climate change, trade, the environment, and the debt crisis in relation to contemporary American and Mexican society. Prerequisite: upper division standing. •[COMBINE GEOG 361 AND 362, CHANGE TITLE, CREDIT HRS, DESCRIPTION, PREREQ]

*Geog 363 AFRICA (4) •... regional scales. Case studies from various countries and regions will be used. Prerequisite: upper division standing. Not offered every year. •[CHANGE HRS 3,4, ADD SENTENCE TO DESCRIPTION, CHANGE PREREQ]

Geog 364 THE MIDDLE EAST (4) •Prerequisite: upper division standing. •[CHANGE HRS 3,4, PREREQ]

*Geog 366 HISTORICAL GEOGRAPHY OF NORTH AMERICA (4) •Prerequisite: upper division standing. Not offered every year. •[CHANGE NUMBER FROM 372, HRS 3,4, PREREQ]

Geog 368 U. S. AND CANADA (4) •Survey of the contemporary regional geography of the United States and Canada including physical environments, cultural landscapes, and economic activities. Topics will include the development of distinctive regions; the changing spatial relationships between the location of resources and population; urban/rural disparities; and national and regional roles in the global economy. Prerequisite: Geog 230 or 250. •[NEW]

Geog 371 PACIFIC NORTHWEST (3) •[DROP]

Geog 374 CANADA (3) •[DROP]

Geog 385 CARTOGRAPHY 1: MAP DESIGN (4) •[DROP]

Geog 403/503 THESIS (Credit to be arranged.) •Consent of instructor. •[ADD CONSENT OF INSTRUCTOR]

Geog 404/504 COOPERATIVE EDUCATION/INTERNSHIP (Credit to be arranged.) •Geog 404 Pass/no pass only. Consent of instructor. •[ADD QUALIFYING STATEMENTS FOR 404]

Geog 407/507 SEMINAR (Credit to be arranged.) •[DELETE CONSENT OF INSTRUCTOR]

Geog 409/509 PRACTICUM (Credit to be arranged.) •Geog 409 Pass/no pass only. Consent of instructor. •[ADD QUALIFYING STATEMENTS FOR 409]

Geog 410/510 SELECTED TOPICS (Credit to be arranged.) •[DELETE CONSENT OF INSTRUCTOR]

Geog 412/512 GEOMORPHOLOGY (4) •... the Pacific Northwest. There is a three-day field trip to the Channeled Scablands of Washington. Prerequisite: Geog 210. •[CHANGE TITLE, HRS 3,4, ADD SENTENCE TO DESCRIPTION, CHANGE PREREQ]

*Geog 413/513 BIOGEOGRAPHY OF PACIFIC NORTHWEST (4) •... broadleaf forests. Vegetation types are studied within the context of climatic climax zones. There are two half-day and two full-day field trips. Prerequisite: Geog 313. Not offered every year. •[CHANGE TITLE, HRS 3,4, ADD SENTENCES TO DESCRIPTION, ADD alternate year]

Geog 414/514 HYDROLOGY (4) •Prerequisite: Geog 210 and Mth 243 and 244. •[CHANGE HRS 3,4, PREREQ]

*Geog 415/515 SOILS AND LAND USE (4) •... and agricultural settings. There are two half-day field trips. Prerequisite: Geog 210. Not offered every year. •[CHANGE HRS 3,4, ADD SENTENCE TO DESCRIPTION, CHANGE PREREQ, ADD alternate year]

Geog 416/516 EXTREME ENVIRONMENTS (4) •Deals with the tundra, desert, and tropical rainforest. Stress will be placed on comparing and contrasting ecologic and environmental processes operative in these environments. Topics of discussion include such things as: life strategies and adaptive processes, concepts of succession and climax, rates of biomass productivity, weathering and erosional processes, and landscape evolution. Prerequisite: Geog 313. •[NEW]

Geog 417/517 PERIGLACIAL GEOMORPHOLOGY (4) •Deals with landscapes of the cold climate areas of the world, i.e., polar regions, high mountains, and former areas around the margins of the continental glaciers. The course involves in-depth readings and discussions of a wide range of topics from the distribution and origin of permafrost, to an analysis of specific landforms, to the impact of humans on these environments. There are two full-day field trips to visit and observe periglacial phenomena in the Pacific Northwest. Prerequisite: Geog 412. •[NEW]

Geog 432/532 URBAN LANDSCAPES (4) •Analysis of the contemporary built environment of metropolitan areas; social, cultural, political, and economic forces that have given cities their form and image; historical processes of urban development; and messages and meanings of our surroundings. Focuses on common urban landscapes as well as designed spaces. In individual and group projects, students analyze the interrelationships of land use, residential density, street patterns, homes and yards, and open

November 21, 1985: AAS/1, revised November 28, 1985 by D. Halliday for 2nd. Semester Meeting
Management May
FROM DESIGN AND PRODUCTION (4) - Introduction to the for the B.A. in geology.
- May
PRODUCTION
- [DROP]
MAP
243 and 244. - [DELETE CORRESPONDING 411, CHANGE HRS 454/554
(4) - Analysis of social geography, quality of
TOPICS (4) - Focuses on be used to meet
Geog 492/592 GEOGRAPHIC INFORMATION SYSTEMS II: APPLICATIONS
Geog 480 CARTOGRAPHIC STUDIO (4) - Advanced workshop course on
cartographic design, production, and analytical methods. Students in this
class will demonstrate their ability to plan and execute a major cartographic project. Suitable projects could include but are not limited to: a unique map design, a series of maps illustrating a theme, or an analytical model. Prerequisites: Geog 270 and either Geog 485 or 488. *[NEW]

Geog 492/592 GEOGRAPHIC INFORMATION SYSTEMS II: APPLICATIONS (4) - Analysis and applications of geographic information systems concepts and technology to land planning and management issues. The multipurpose land information systems concept is used as an organizing device for spatial registration of data layers to achieve data sharing and compatibility among functions. User needs assessment and systems design provides the basis for systems procurement, implementation, and use. Students enrolling in this class also must register for a computer lab section. Also listed as USP 592. Prerequisite: Geog 488/588 or USP 591. *[NEW]

Geog 434/534 METROPOLITAN ECONOMIC GEOGRAPHY (4)
*Prerequisite: Geog 331. Not offered every year. *[CHANGE HRS 3»4, PREREQ, ADD alternate year]

Geog 445/545 RESOURCE MANAGEMENT TOPICS (4) - Focuses on advanced topics in administration and management of natural resources. Reviews historical issues and today's struggles for a sustainable approach in the development of natural resource policy. Emphasis will vary, e.g. water resources, energy resources, public lands. Prerequisite: Geog 345. *[CHANGE TITLE, HRS 3»4, DESCRIPTION]

Geog 446/546 WATER RESOURCE MANAGEMENT (4) - Analysis of the distribution, use and management of water resources, emphasizing the systems of water rights, legislation, and regulations which govern water resources. Issues of water development and water quality are examined. Focus is on U.S. water resource, with case studies from other countries and regions. Examples are drawn from local, regional, and international water resource management schemes. Prerequisite: Geog 345. *[CHANGE HRS 3»4, DESCRIPTION]

Geog 450 GEOGRAPHY OF PORTLAND (4) - Analysis of the geography of Portland. Lectures and guided field work. Students will work on group projects on specific topics involving research, data collection and analysis with oral and written presentations. Prerequisite: 12 credits of geography. Not offered every year. *[CHANGE NUMBER FROM 270, HRS 3»4, DESCRIPTION, ADD PREREQ, alternate year]

Geog 453/553 JAPAN (4) - Prerequisite: Geog 353. *[CHANGE HRS 3»4, PREREQ]

Geog 482/582 ENVIRONMENTAL REMOTE SENSING (4) - Prerequisite: Geog 270. *[CHANGE PREREQ]

Geog 485/585 MAP DESIGN AND PRODUCTION (4) - Introduction to the planning and execution of a map, with special emphasis on the arrangement of its graphic elements. Students will use cartographic and illustration software in the compilation, design and production of maps. Prerequisite: Geog 270. *[CHANGE TITLE, DESCRIPTION, PREREQ]

Geog 486/586 CARTOGRAPHY III: MAP PRODUCTION [DROP]

Geog 488/588 GEOGRAPHIC INFORMATION SYSTEMS I: INTRODUCTION (4) - Use of computers in Geographic Information Systems (GIS) and mapping. Includes theory of data bases related to geographic information management and practical aspects of database design. Students will use a variety of programs for mapping and spatial analysis of geographic information. Each student completes a series of lab exercises demonstrating a variety of approaches to the analysis and display of spatial data. Students enrolling in this class also must register for a computer lab section. Also listed as USP 591. Prerequisite: Geog 270 or equivalent experience in cartography. *[CHANGE TITLE, DESCRIPTION, PREREQ]

Geog 490 CARTOGRAPHIC STUDIO (4) - Advanced workshop course on cartographic design, production, and analytical methods. Students in this class will demonstrate their ability to plan and execute a major cartographic project. Suitable projects could include but are not limited to: a unique map design, a series of maps illustrating a theme, or an analytical model. Prerequisites: Geog 270 and either Geog 485 or 488. *[NEW]

Geog 470/570 ENGINEERING GEOLOGY (4) - Applications of geological information to engineering problems: soil mechanics, rock mechanics, construction materials, groundwater and construction, instrumentation, exploration, terrain models, landslide analysis. Three hours of lecture and two hours of lab per week. Labs stress quantitative analysis. One day field trip explores landslides of the Portland area. Prerequisites: Geog 202, Ph 203. *[CHANGE

Geog 511 CLIMATIC ANALYSIS (4) - Nature of climatic data sets, methods of acquisition and techniques of analysis. The emphasis will be on the study of climate variability and its implications for the management of natural resources. Prerequisite: Geog 311 and Mth 243 and 244. *[DELETE CORRESPONDING 411, CHANGE HRS 3»4, DESCRIPTION, PREREQ]

Geog 521 GEOGRAPHIC THOUGHT (4) *[CHANGE TITLE, HRS 3»4]

Geog 522 RESEARCH DESIGN (4) *[CHANGE HRS 3»4, DELETE FINAL SENTENCE-REQUIRED OF ALL GRADUATE STUDENTS IN GEOGRAPHY]

Geog 523 ENVIRONMENTAL IMPACT ASSESSMENT (3) *[DROP]

Geog 530 CULTURAL GEOGRAPHY (4) - Focuses on several organizing concepts in cultural geography: region, landscape, ecology and meaning. Emphasis is on how each concept is used in cultural geography, the evolution of research in that arena, how use and application of the concept have changed over time, and how it is being used now with examples from current research. *[DELETE CORRESPONDING 430, CHANGE HRS 3»4, DESCRIPTION]

Geog 542 LIVABLE CITIES (4) - Analysis of social geography, quality of life, and sustainability in metropolitan areas. Topics include geographical patterns of ethnicity, class, and gender; relationships of homes and workplaces; provision of services; and design of the built environment. Emphasis on the processes and meanings that underlie the spatial patterns and processes and meanings that underlie the spatial patterns and dynamics of the social issues in American central cities and their suburbs. The course is taught as a seminar; students will undertake independent research projects on the Portland area. Prerequisite: Geog 332 and 432/532. *[NEW]

Geog 548 THE URBAN FOREST (4) - Examination of issues related to trees in the urban environment. Topics will include the values and roles of urban trees, species identification, site selection, spatial structure of the urban forest, management and regulation of urban trees, and techniques for evaluating the health of the urban forest and public and governmental efforts to promote urban trees. Prerequisite: Geog 345 or Geog 347 or Geog 432/532. *[NEW]

Geog 586 GEOGRAPHIC CONVERSATIONS (2) - Exploration and critical evaluation of contemporary research in geography. Focus is on reading and group discussion of recent journal literature aimed at understanding the development of ideas, methodologies and philosophies. Themes will vary each term: cartography, physical geography, resource issues, human geography and other topics. Pass/no pass only, maximum 6 credits may be used toward graduate degree program. *[NEW]

Geology

*G 427/527 TECTONICS (4) - Add "processes of" after Study of ...
*[CHANGE HRS 3»4, ADD ONE HR. RECITATION]

G 443/543 GROUND WATER GEOLOGY (4)
G 444/544 WELL DYNAMICS (4)
G 445/545 GEOCHEMISTRY (4)
G 447/547 SEDIMENTOLOGY (4)
G 452/552 GEOLOGY OF THE OREGON COUNTRY (4)
G 453/553 REGIONAL GEOLOGY (4)
*[CHANGE HRS 3»4, ADD ONE HR. RECITATION]

G 454/554 CASCADE VOLCANOES (1) - May be used to meet requirements for the B.A. in geology. May not be used to meet requirements for the B.S. in geology. *[CHANGE MAJORS STATEMENT]

*G 470/570 ENGINEERING GEOLOGY (4) - Applications of geological information to engineering problems: soil mechanics, rock mechanics, construction materials, groundwater and construction, instrumentation, exploration, terrain models, landslide analysis. Three hours of lecture and two hours of lab per week. Labs stress quantitative analysis. One day field trip explores landslides of the Portland area. Prerequisites: Geog 202, Ph 203. *[CHANGE
DESCRIPTION, CREDIT HOURS FROM (3) to (4), LAB HRS FROM 0 TO 2]

G 483/583 ANATOMY OF LANDSLIDES (4) • Investigation of landslides. Slope Stability Analysis, field mapping and description of landslides and related features. Studies of the morphology of landslides from the literature. Prerequisites: Ph 203, Mth 252. • [NEW]

G 491/591 PHYSICAL PROCESSES IN GEOLOGY (4) • Application of mechanics to physical processes in geology, such as igneous intrusion, rock folding, debris flow, lava flow, groundwater, and glaciation. Prerequisites: Mth 254, Ph 203, G 391. • [NEW]

G 592/692 TOPICS IN GEOMECHANICS (4) • Topics chosen from finite strain, rock fracture, and rock folding. May be repeated if topics are different. Prerequisites: G 491/591, Mth 254, Ph 203. • [NEW]

Course and program proposals were received too late and could not be reviewed in time for the December Senate meeting.

International Studies

BA in International Studies: Redefines requirements in terms of specific "Inti" prefix courses. Bases "Connected Learning" and "Regional" or "Regional/Thematic" requirements on elective adviser-approved courses. Clarifies foreign language requirements. Increases requirement (outside of language) from 45 to 77 hours. Specifies "Inti 499" for majors' Senior Capstone.

Minor in International Studies: Increases hours from 24 to 31. Increases "Inti" hours. Bases "Connected Learning" requirement on elective adviser-approved area-specific or thematic courses.

Int 101 INTRODUCTION TO INTERNATIONAL STUDIES (4) • [CHANGE HRS 3 » 4]

Int 299 INTRODUCTION TO REGIONAL STUDIES (4) • In-depth interdisciplinary or topical study of one of the regional foci in the International Studies degree program: Africa, East Asia, Europe, Latin America, the Middle East. • [NEW]

Int 396 THE U.S. AND THE WORLD (4) • Interdisciplinary study and analysis of the role of the United States in world affairs with emphasis on the twentieth century, relations between the U.S. and the Third World, the era of the Cold War, American globalism, diplomatic, economic, and geopolitical issues. • [NEW]

Int 397 PREPARATION FOR INTERNATIONAL/INTERCULTURAL EXPERIENCE (4) • Examination of communication-based, cultural, economic, emotional, physical, political, religious, and social aspects of an overseas or community-based international/intercultural experience. Presentation of strategies for development of an appropriate level of preparation to meet challenges of working and traveling in an international/intercultural setting. Emphasis on general methodology and process required to develop personal awareness and resources for successful field experience. Also offered as BST 397; may be taken only once for credit. • [NEW]

Int 499 SENIOR INTERNATIONAL EXPERIENCE (6) • A service learning and/or community-based learning experience in an international or intercultural setting, in a group-supervised, team-centered format, within either a study-abroad program or a local project (or both) with an appropriate international agency, business, community or non-profit organization. • [NEW]

Int 407 SEMINAR (4) • [CHANGE HRS 3 » 4]

Mathematical Sciences

MA/MS in Mathematics: Adds concentration in Statistics.

Stat 243, 244 INTRODUCTION TO PROBABILITY AND STATISTICS I, II
Stat 366 INTRODUCTION TO EXPERIMENTAL DESIGN

Stat 460/560 APPLIED STATISTICS FOR ENGINEERS AND SCIENTISTS
Stat 461/561, 462/562, 463/563 INTRODUCTION TO MATHEMATICAL STATISTICS I, II, III
Stat 464/564 APPLIED REGRESSION ANALYSIS
Stat 465/565, 466/566 EXPERIMENTAL DESIGN: THEORY AND METHODS
Stat 661, 662, 663 ADVANCED MATHEMATICAL STATISTICS I, II, III
Stat 664, 665, 666 THEORY OF LINEAR MODELS I, II, III • [CHANGE PREFIX FROM MTH TO STAT]

Philosophy

BA/BS in Philosophy: Increases requirement from 48 to 56. Requires Phil 300. Reflects 4-hour revisions of courses.

Phil 101 INTRODUCTION TO PHILOSOPHY (4) • General introduction to philosophy. While different instructors will use different materials—typically classical texts—attention will be given to what makes a question a philosophical question and the nature and methods of philosophical inquiry. • [CHANGE HRS 3 » 4, DESCRIPTION]

Phil 103 CRITICAL THINKING (4) • [CHANGE NUMBER FROM 203, TITLE, HRS 3 » 4]

Phil 202 ELEMENTARY ETHICS (4) • General introduction to ethical theory. Attention will be given to such questions as whether there are objective moral distinctions, what makes right acts right and wrong acts wrong, and how we know (if we do) that actions are right or wrong. Among the theories likely to be considered are relativism, egoism, utilitarianism, and Kantianism. • [CHANGE HRS 3 » 4, DESCRIPTION]

Phil 204 INTRODUCTION TO FORMAL LOGIC (4) • [CHANGE TITLE, HRS 3 » 4]

Phil 206 ELEMENTARY PHILOSOPHY OF SCIENCE (4) • [CHANGE HRS 3 » 4]

Phil 207 ELEMENTARY AESTHETICS (3)

Phil 208 CONTEMPORARY MORAL ISSUES (3) • [DROP]

Phil 209 BUSINESS ETHICS (4) • Study of the ethical aspects of practices and organizational structures in the business world. Course begins with a review of some traditional theories of ethics. The bulk of the course is devoted to specific contemporary topics, for example: the moral status of corporations; the concept of work place rights; responsibility in advertising; environmental constraints on business; affirmative action in hiring; the social roles of profit and private property; role of work in the life of the individual. • [CHANGE HRS 3 » 4, DESCRIPTION]

Phil 210 PHILOSOPHY OF RELIGION (4) • Examination of philosophical questions involved in the study of religion, e.g., the meaning of "God," or "gods;" the traditional arguments for the existence of a god; the meaning of faith and the question of its connection to reason; the problem of evil (of reconciling a god's alleged perfection with the existence of evil). Note: this is not a class in comparative religion or the history of religion. • [CHANGE HRS 3 » 4, DESCRIPTION]

Phil 212 PHILOSOPHY IN LITERATURE (4) • [CHANGE HRS 3 » 4]

Phil 213 LIFE AND DEATH ISSUES (4) • ... aspects of moral problems ...

Phil 300 PHILOSOPHICAL METHODS AND CONCEPTS (4) • Not recommended as a first course in philosophy. • [CHANGE HRS 3 » 4, ADD SENTENCE TO END OF DESCRIPTION]

Phil 301, 302 HISTORY OF PHILOSOPHY (4, 4) • Study of Western philosophy during the ancient period (classical Greek through Hellenistic times) and the modern period (17th century to the present). • [CHANGE HRS from (3, 3, 3) to (4, 4), DESCRIPTION, DELETE 303]
Phi 304 PREDicate LOGic (4) • Continuation of Phi 204
Introduction to Formal Logic. Primary emphasis will be on formal methods for dealing with arguments involving the terms "all" and "some." Major topics include the method of deduction for showing predicate logic arguments valid, and the method of counter-example for showing such arguments invalid. Offered every other year. Prerequisite: Phi 204. • [CHANGE HRS 3+4, DESCRIPTION, ADD alternate year]

Phi 310 ENVIRONMENTAL ETHICS (4) • [CHANGE HRS 3+4]
Phi 311 THE MORALITY OF PUNISHMENT (4) • [CHANGE HRS 3+4]

Phi 312 FEMINIST PHILOSOPHY (4) • Prerequisite: one philosophy course other than Phi 203, 204, 206. • [CHANGE HRS 3+4, PREREQ]

Phi 315 EXISTENTIALISM (4) • Introduction to a number of philosophers and literary figures gathered (or confused) together under the name "existentialism." Works of Nietzsche, Kierkegaard, Dostoyesky, Heidegger, Camus, Sartre, and deBeauvoir will be read and discussed, as much for their dissimilarities as for similar themes. In particular, Sartrean existentialism will be contrasted with what Heidegger calls existential phenomenology. Questions addressed: What is it to be human? What is consciousness? Does anything have intrinsic value (value as an end in itself)? What makes acts right? Does morality presuppose or entail freedom? Prerequisite: one philosophy class. • [CHANGE NUMBER FROM 211, HRS 3+4, DESCRIPTION]

Phi 332 INTENTIONALITY, PHENOMENOLOGY AND EXISTENTIALISM (4) • Examination of the Kantian roots of what becomes known as "intentionality" (i.e., that our conscious acts are directed towards objects, intending them). Various theories of intentionality will be read and discussed (e.g., Husserl, Heidegger, Frege, and Searle). There will be limited discussion of the alleged ties between intentionality and existentialism. Prerequisite: 8 credits in philosophy. • [CHANGE TITLE, HRS 3+4, DESCRIPTION, PREREQ]

Phi 333 ANALYTIC PHILOSOPHY (4) • Examination of the analytic philosophical tradition from Frege and Russell through early Wittgenstein and the Postpositivists to the present. • [CHANGE TITLE, HRS 3+4, DESCRIPTION]

Phi 413/513 THE PRE-SOCRATICS (3) • [DROP]

Phi 414/514 PLATO (4)
Phi 415/515 ARISTOTLE (4)
Phi 416/516 THE RATIONALISTS: DESCARTES, LEIBNIZ, SPINOZA (4) • Prerequisite: 8 credits in philosophy. • [CHANGE HRS 3+4, PREREQ]

Phi 417/517 THE EMPIRICISTS (4) • Study of the British philosophers, Locke, Berkeley and Hume, who hold that all of the ingredients of thought enter the mind by way of experience and that only what has a definite relation to experience can be thought. Among the particular topics considered will be material substance, spirit, abstract ideas, causation, induction, and skepticism. Prerequisite: 8 credits in philosophy. • [CHANGE TITLE, HRS 3+4, DESCRIPTION, PREREQ]

Phi 418/518 HUME (3) • [DROP]

Phi 419/519 KANT (4) • Study of Kant's philosophy primarily as represented in the Critiques of Pure Reason, Practical Reason, and Judgment. Readings from some of these or related works. Possible topics for consideration: necessity connection, the analytic-synthetic distinction, conceptions of science and metaphysics, relation between metaphysics and morality. Prerequisite: 8 credits in philosophy. • [CHANGE HRS 3+4, DESCRIPTION, PREREQ]

Phi 420/520 WITTGENSTEIN (4) • Consideration of some of the major works of Wittgenstein with emphasis on the later work, especially the Philosophical Investigations. Attention will be given to Wittgenstein's contributions to philosophical method, as well as to his treatment of issues concerning language, meaning, intention, understanding, necessity, and the nature of human persons as language users. Prerequisite: 12 credits in philosophy. • [CHANGE HRS 3+4, DESCRIPTION, PREREQ]

Phi 421/521, 422/522 19TH CENTURY PHILOSOPHY (3, 3) • [DROP]

Phi 423/523 METAPHysics (4)
Phi 424/524 EPistemology (4)
Phi 432/532 PHILOSOPHY OF MIND (4)
Phi 433/533 PHILOSOPHY OF LANGUAGE (4) • Prerequisite: 8 credits in philosophy. • [CHANGE HRS 3+4, PREREQ]

Phi 445/545 ETHICS I (4)
Phi 446/546 ETHICS II (4) • Prerequisite: 8 credits in philosophy including Phi 202. • [CHANGE HRS 3+4, PREREQ]

Phi 455/555 HEALTH CARE ETHICS (4) • Prerequisite: upper-division standing or 8 credits of philosophy. • [CHANGE HRS 3+4, PREREQ]

Phi 470/570 PHILOSOPHY OF SCIENCE (4, 4) • Prerequisite: 8 credits in logic. • [CHANGE HRS 3+4, PREREQ]

Phi 474/574 PHILOSOPHY OF LOGIC (4) • [CHANGE HRS 3+4]

Phi 475/575 LOGICAL THEORY (3) • [DROP]

Phi 485 HONORS SEMINAR (4) • [CHANGE HRS 3+4]
Psy 347 PERCEPTION (4)
Psy 348 COGNITION (4)
Psy 350 COUNSELING (4)
Psy 357 COMPARATIVE PSYCHOLOGY (4)
Psy 360 INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY (4)

Ps 427/527 HISTORY AND SYSTEMS OF PSYCHOLOGY (4)
  • Prerequisites: Mth 243 and 244, at least 18 credits in
  psychology, including Psy 321. • [CHANGE HRS 3»4, PREREQ]

Psy 430/530 APPLIED SOCIAL PSYCHOLOGY (4)
  • Prerequisites: Mth 243 and 244, Psy 321, 342, 343. • [CHANGE HRS 3»4, PREREQ]

Psy 432 PERSONALITY (4)
  • Prerequisite: Mth 243 and 244, nine
  credits in psychology, including Psy 321. • [CHANGE HRS 3»4, PREREQ]

Psy 433 INTRODUCTION TO PSYCHOLOGICAL TESTING (4)
  • Prerequisites: Mth 243 and 244, and Psy 321. • [CHANGE HRS 3»4, PREREQ]

Psy 434/534 INTRODUCTION TO PSYCHOPATHOLOGY (4)
  • Prerequisites: Psy 200, 204, Mth 243 and 244, and at least 6
  additional credits in psychology, including Psy 321. • [CHANGE HRS 3»4, PREREQ]

Psy 436/536 PERFORMANCE APPRAISAL AND FEEDBACK (4)
  • Prerequisites: Mth 243, and 244, Psy 321, and 360. • [CHANGE
  HRS 3»4, PREREQ]

Psy 440/540 GROUP PROCESS (4)
Psy 447/547 PERSONNEL PSYCHOLOGY (4)
Psy 448/548 PSYCHOLOGY OF WORK MOTIVATION (4) • [CHANGE HRS 3»4]

Psy 449 SURVEY OF HUMAN FACTORS (4)
  • Prerequisites: nine credits in psychology; Mth 243, 244, and Psy 321. • [CHANGE HRS 3»4, PREREQ]

Psy 451/551 PHYSIOLOGICAL PSYCHOLOGY (4)
  • Prerequisites: Mth 243 and 244, Psy 321 plus either Psy 345, 346, 347, or 348
  and four hours of biology. • [CHANGE HRS from (4,4) to (4),
  PREREQ, DELETE 452/552]

Psy 454, 455 EXPERIMENTAL PSYCHOLOGY (4,4)
  • Prerequisites: at least 12 credits in psychology including Psy 321 and at least one of
  the following: Psy 345, 346, 348; Mth 243 and 244. • [CHANGE
  PREREQ]

Psy 457/557 ADVANCED COMPARATIVE PSYCHOLOGY (4)
  • Prerequisites: Mth 243 and 244, Psy 321 and Psy 357 with
  grade B or better and consent of instructor. • [CHANGE HRS 3»4, PREREQ]

Psy 459/559 INFANT DEVELOPMENT (4)
  • Prerequisites: Mth 243 and 244; Psy 311 and Psy 321. • [CHANGE HRS 3»4, PREREQ]

Psy 460/560 CHILD PSYCHOLOGY (4)
  • Prerequisite: Mth 243 and 244, Psy 311 and 321. • [CHANGE HRS 3»4, PREREQ]

Psy 461/561 PSYCHOLOGY OF ADOLESCENCE AND EARLY MATURETUON (4)
  • Prerequisites: Mth 243 and 244, Psy 311 and 321.
  • [CHANGE HRS 3»4, PREREQ]

Psy 462/562 PSYCHOLOGY OF ADULT DEVELOPMENT AND AGING (4)
  • Prerequisites: Mth 243 and 244, Psy 311 and 321 plus one
  of the following: Psy 459, 460, or 461. • [CHANGE HRS 3»4, PREREQ]

Psy 464/564 DEVELOPMENTAL PSYCHOPATHOLOGY (4)
  • Prerequisites: Mth 243 and 244, Psy 321 and 434 plus 8 credits
  in courses numbered Psy 450-461. • [CHANGE HRS 3»4, PREREQ]

Psy 465/565 APPLIED DEVELOPMENTAL PSYCHOLOGY (4)
  • Prerequisites: Mth 243 and 244, Psy 311 and 321 and consent of
  instructor. • [CHANGE HRS 3»4, PREREQ]

Psy 467/567 WORK AND FAMILY (4) • Prerequisites: Mth 243 and
  244, Psy 311 and 321. • [CHANGE HRS 3»4, PREREQ]

Psy 468/568 SOCIAL DEVELOPMENT (4)
  • Prerequisites: Mth 243 and 244, Psy 311 and 321 and one of the following:
  Psy 459, 460, 461, or 462. • [CHANGE HRS 3»4, PREREQ]

Psy 471/571 HEALTH PSYCHOLOGY (4)
  • Prerequisites: Mth 243 and 244, plus 12 credits in psychology, including Psy 321;
  Soc 204 and 205 may be substituted for 8 of these credits and PHE
  223 may be substituted for 4 of these credits. • [CHANGE HRS 3»4, PREREQ]

Psy 472/572 INDIVIDUAL DIFFERENCES (3) • [DROP]
Sociology

**BA/BS in Sociology**: Increases credits from 50 to 52. Requires gateway "Sociological Inquiry.". Minor: Requires Soc 200

Introduction, increases electives, increases total from 27 to 28 hours.

**MA/MS in Sociology**: Increases required credits from 45 to 55.

Students will move through the program in cohorts.

Soc 199 SPECIAL STUDIES (Credit to be arranged.) • Prerequisite: consent of instructor. Maximum: 8 credits. • [CHANGE MAXIMUM CREDITS FROM 9 TO 8]

Soc 200 INTRODUCTION TO SOCIOLOGY (4) • Sociological concepts and perspectives concerning human groups; includes attention to socialization, culture, institutions, stratification, and societies. Consideration of fundamental concepts and research methodology. • [CHANGE COURSE NUMBER, HRS 3»4, DESCRIPTION]

Soc 205 INSTITUTIONS AND SOCIAL CHANGE (3)

Soc 206 SOCIAL PROBLEMS AND ISSUES (3) • [DROP]

Soc 300 SOCIOLOGICAL INQUIRY (4) • Exploration of the linkage between theoretical foundations of sociology and the conduct of sociological research. Focus is on fundamental methodological issues utilized in exemplar research studies conducted under different theoretical perspectives. Prerequisite: Soc 200. • [NEW]

Soc 310 U.S. SOCIETY (4) • Examination of the social structure, culture and demography of the United States. Sociological approaches to such institutions as the economy, religion, education and the family are explored. Attention given to comparison with other industrialized countries as well as to selected social issues and controversies. Prerequisite: Soc 200, 300. • [NEW]

Soc 320 GLOBALIZATION (4) • Exploration of issues and approaches in sociological thinking relative to world systems. World systems are treated not only as world orders made up of political and economic exchanges, but also as cultural orders and institutionalized structures transcending national geographic boundaries. Attention given to the international, national, regional, and local ways that people attempt to deal with the instabilities accompanying globalization. Prerequisite: Soc 200, 300. • [NEW]

Soc 321 SOCIOLOGY OF SEX (3) • [DROP]

Soc 337 MINORITIES (4)

Soc 339 MARRIAGE AND INTIMACY (4) • [CHANGE HRS 3»4]

Soc 341 POPULATION TRENDS AND POLICY (4)

Soc 342, 343 SOCIAL PSYCHOLOGY (4,4)

Soc 350 COMPARATIVE INDUSTRIAL SOCIETIES (4)

Soc 370 SOCIOLOGY OF DEVIANCY (4) • [CHANGE HRS 3»4, PREREQ FROM 204 TO 200]

Soc 372 DRUGS IN CONTEMPORARY SOCIETY (3) • [DROP]

Soc 376 SOCIAL CHANGE (4) • Prerequisite: Soc 200. • [CHANGE HRS 3»4, PREREQ FROM 204 TO 200]

Soc 384, 385 RESEARCH AND DATA ANALYSIS I, II (4,4) • [DROP]

Soc 395 SOCIOLOGICAL METHODS (4) • Study of the structuring of sociological inquiry, conceptualization and measurement, operationalization, computers in social research, analysis of bivariate and multivariate relations, the logic of sampling and inference. Prerequisites: Mth 243, Soc 200, 300. Concurrent enrollment in Soc 396, Sociological Methods Lab is required. • [NEW]

Soc 396 SOCIOLOGICAL METHODS LAB (1) • Introductory research laboratory for students in Sociological Methods. Corequisite: concurrent enrollment in Soc 395. • [NEW]

Soc 410/510 SELECTED TOPICS (Credit to be arranged.) • Maximum: 12 credits. Consent of instructor. • [CHANGE MAX CREDITS FROM 9 TO 12]

Soc 413/513 ALCOHOL IN SOCIETY (3)

Soc 416/516 JUVENILE DELINQUENCY (3)

Soc 417/517 CRIMINOLOGY (3) • [DROP]

Soc 414/514 ALCOHOL AND OTHER DRUGS (4) • Sociological analysis of the behavior and belief patterns relative to alcohol and other drugs in American society, with lesser attention to other societies. Prevention and intervention strategies are briefly reviewed. Prerequisites: Soc 204, 205. • [NEW]

Soc 418/518 CRIMINOLOGY AND DELINQUENCY (4) • Social and legal meaning of crime and delinquency explored. Historical and contemporary theories of causes of law breaking reviewed. Social and cultural factors promoting and inhibiting law breaking by juveniles and adults are examined. Attention given to strategies of prevention and control. Prerequisites: Soc 204, 205. • [NEW]

Soc 420/520 URBANIZATION AND COMMUNITY (4) • Analytical approach to the meaning of community in the modern world. The determinants, social factors of group and responses to the processes of urbanization are considered. Theories of the city emphasizing ecological, sociocultural, and critical explanations for growth and change in urban regions are examined. Patterns of social and structural organization of the metropolis and the cognitive and behavioral aspects of urban life are explored. Prerequisite: Soc 200. • [CHANGE COURSE TITLE, HRS 3»4, DESCRIPTION, PREREQ]

Soc 422/522 POVERTY AND POWER (3) • [DROP]

Soc 423/523 STRATIFICATION (4) • Prerequisites: Soc 200. • [CHANGE HRS 3»4, PREREQ]

Soc 424/524 GROUPS, INTERACTION AND IDENTITY (4) • Analysis of the formation and functioning of intergroup and intragroup relations. Attention to group organization and interaction, performance, cooperation, conflict, and group membership and individual identity. Prerequisites: Soc 200, Soc or Psy 342. • [CHANGE HRS 3»4, COURSE TITLE, DESCRIPTION, PREREQ]

Soc 425/525 SOCIOLOGY OF WOMEN (4) • Prerequisite: Soc 200. • [CHANGE HRS 3»4, PREREQ]

Soc 435/535 COLLECTIVE BEHAVIOR (3) • [DROP]

Soc 436/536 SOCIAL MOVEMENTS (4) • Formation, dynamics and outcomes of social movements. Examination of the effects of circumstances, strategies and alliances on the outcomes of social movements, including their impact on politics and society. Prerequisite: Soc 200. • [CHANGE HRS 3»4, DESCRIPTION, PREREQ]

Soc 439/539 MASS COMMUNICATION AND PERSUASION (3) • [DROP]

Soc 444/544 RACE, ETHNICITY AND NATIONALITY (4) • Analysis of the emergence, persistence and meaning of definitions of racial, ethnic and national statuses in selected areas of the modern world. Consideration of the consequences of changing definitions for intergroup and global relations. Prerequisite: Soc 200. • [CHANGE COURSE TITLE, HRS 3»4, DESCRIPTION, PREREQ]

Soc 457/557 COMPLEX ORGANIZATIONS (4) • Examination of complex organizations both as formal structures and as cultural systems. Analysis of the relations between organizations and individuals of inter-organizational dynamics and of the rationalization of modern societies. Prerequisite: Soc 200. • [CHANGE HRS 3»4, DESCRIPTION, PREREQ]
Soc 459/559 SOCIOLOGY OF HEALTH AND MEDICINE (4)  
Prerequisite: Soc 200.  *(CHANGE HRS 3→4, PREREQ)

Soc 461/561 SOCIOLOGY OF THE FAMILY (4)  
Sociological analysis of the structure and functions of the family institution and its relationship to external systems such as the economy and polity. Changing and diverse forms of family organization in urban society. Analysis of role relations in the family. Prerequisite: Soc 200.  *(CHANGE HRS 3→4, DESCRIPTION, PREREQ FROM 204, 205 TO 200.)*

Soc 463/563 CORRECTIONAL AND THERAPEUTIC COMMUNITIES (3)  
Soc 466/566 SOCIOLOGY OF EDUCATION (3)  *(DROP)*

Soc 468 POLITICAL SOCIOLOGY (4)

Soc 469/569 SOCIOLOGY OF AGING (4)  *(CHANGE HRS 3→4, PREREQ FROM 204, 205 TO 200)*

Soc 470 FOUNDATIONS OF SOCIOLOGY (4)  
Examination and comparison of modes of sociological thinking, from the emergence of a distinctive sociological perspective through the development of symbolic interactionism. Prerequisite: Soc 200, 300.  *(CHANGE COURSE NUMBER FROM 471, COURSE TITLE, HRS 3→4, DESCRIPTION, PREREQ)*

Soc 472/572 CONTEMPORARY SOCIOLOGICAL THEORY (4)  
Study of various frames of reference in contemporary sociological theory. Specific topics vary with instructor. Prerequisites: Soc 200, 300; senior standing.  *(CHANGE HRS 3→4, DESCRIPTION, PREREQ)*

Soc 480/580 SOCIOLOGY OF RELIGION (4)

Soc 482/582 EAST EUROPEAN SOCIETIES (4)

Soc 483/583 SOCIOLOGY OF THE MIDDLE EAST (4)  
*(CHANGE HRS 3→4, PREREQ FROM 204, 205 TO 200)*

Soc 495 SENIOR RESEARCH SEMINAR (4)  
Development and execution of a research project incorporating some aspect of sociological theory with social science research methodology. Students work in teams to identify a research problem, design and conduct research bearing on this problem, and write a research report. Prerequisite: Soc 395 and senior standing in sociology.  *(NEW)*

Soc 497/597 APPLIED SURVEY RESEARCH (4)  
Provided theoretical framework for and experience in design, execution, and interpretation of social surveys including sampling procedures, questionnaire design, interviewing techniques, coding and computer analysis, and report writing. Prerequisites: Stat 243 and Soc 395 or equivalent.  *(CHANGE COURSE NUMBER FROM 486/586 TO 497/597, DESCRIPTION, PREREQ)*

Soc 512 TEACHING SOCIOLOGY (4)  
Applied course dealing with the fundamentals of transmitting the sociological perspective. Topics include criteria for selection, student evaluation, preparation and presentation of lectures, utilization of supplementary material. A major component of the course involves mentoring in Soc 495 Senior Research Seminar. Prerequisite: graduate status in sociology. Pass/no pass only.  *(NEW)*

Soc 513 THESIS WORKSHOP (1)  
Workshop for all sociology graduate students who are currently enrolled in Soc 503 for four credits or more. Discussion and review of students’ progress and problems. Prerequisite: graduate status in sociology. Corequisite: Soc 503.  *(NEW)*

Soc 573 ISSUES IN CONTEMPORARY SOCIOLOGY (1)  *(DROP)*

Soc 575 ANALYTICAL PROBLEMS IN SOCIOLOGICAL THEORY (3)  *(DROP)*

Soc 576 THEORIES OF SOCIAL CHANGE (4)  
... planning and control, modernization, development, and world systems approaches. Prerequisite: graduate status.  *(CHANGE HRS 3→4, ADD TO DESCRIPTION)*

Soc 577 TOPICS IN CONTEMPORARY THEORY (4)  
Prerequisite: Soc 470 and graduate status.  *(CHANGE TITLE, HRS 3→4, PREREQ)*

Soc 590 APPROACHES TO SOCIAL INQUIRY (4)  
Consideration of the nature of sociological knowledge; elements of social research and methods of observation and data collection; reliability and validity of information; techniques of data analysis. Prerequisite: graduate status.  *(CHANGE NUMBER FROM 584, HRS 3→4)*

Soc 591 THEORETICAL PERSPECTIVES IN SOCIOLOGY (4)  
Analysis of the major contemporary theories in sociology. Attention to the problems of order and change, and power and inequality, as well as to the micro-macro problem in sociological theory. Prerequisite: Soc 470 and graduate status.  *(CHANGE NUMBER FROM 574, HRS 3→4, DESCRIPTION, PREREQ)*

Soc 592 QUALITATIVE METHODS (4)  
Strategies for acquisition and analysis of data using such approaches as participant observation, content analysis, field and case studies. Attention to the special problems of validity and reliability in such research. Consideration of ethical issues and researcher responsibility in qualitative research. Prerequisite: graduate status.  *(CHANGE NUMBER FROM 591, TITLE, HRS 3→4, DESCRIPTION)*

Soc 594 THEORY CONSTRUCTION AND RESEARCH (4)  
Examination of the craft of sociological research in conjunction with thesis work. The role of theory in research, evaluating published work, biases in data sources and the process of thesis writing. Prerequisites: Soc 590, 591; graduate status.  *(CHANGE NUMBER FROM 592, TITLE, HRS 3→4, DESCRIPTION, PREREQ)*

Soc 595 RESEARCH PRACTICUM (4)  
Overview of the process of linking sociological data and ideas to broader communities of interest. Exercises in preparation of research grants and experience in working in a team research environment. Prerequisites: Soc 590, 591; graduate status.  *(NEW)*

Speech Communication

MA/MS in Speech and Hearing Science: Adds preprofessional coursework as a requirement for admission.

SpHr 389 SIGN LANGUAGE: THEORY AND PRACTICE (3)  
Basic mastery of the manual alphabet and pidgin signed English (PSE), American Sign Language (ASL) rules and application covered. Study of cultural, social, psychological, and other related issues associated with deafness. Comparison of a variety of sign language systems, and overview of the controversies between manual communication and oralism. Prerequisite: upper division standing.  *(CHANGE DESCRIPTION)*

SpHr 562 INSTRUMENTATION IN SPEECH AND LANGUAGE SCIENCES (4)  
Introduction to basic electricity, acoustic phonetics and use of instrumentation for measurement of speech and voice signals. Provides instruction in recording, calibration and analysis with this equipment, such as the sonograph, sound level meter, oscilloscope and digital speech analysis systems. Prerequisite: SpHr 461/561 and graduate standing.  *(CHANGE TITLE, DESCRIPTION, PREREQ, CREDIT HRS FROM 3 TO 4)*

SpHr 581 STUTTERING (4)  
Study of stuttering theories, research methods of diagnosis and treatment for stuttering and other disorders of fluency. Prerequisites: SpHr 495/595 and graduate standing.  *(CHANGE DESCRIPTION, ADD PREREQ, CHANGE LECTURE AND HRS 3→4)*

SpHr 582 VOICE DISORDERS (4)  
Deviations of voice found in children and adults. Study of normal and abnormal function of the voice mechanism. Attention to detection, referral and differential diagnosis of voice problems. Demonstrations of typical voice problems; demonstrations in examination and treatment procedures; and review of recent literature and research. Prerequisites: SpHr 495/595 and graduate standing.  *(CHANGE DESCRIPTION, ADD PREREQ, CHANGE HRS 3→4)*

Women's Studies

WS 455 GENDER AND EDUCATION (3)  
Explores the significance of gender in educational work. Focus will be on the history of gender arrangements in educational organizations and the formation of gender roles in contemporary American society, particularly in the family, schools, and the economy. Students will examine
differential socialization of males and females, ongoing practices in educational organizations that are gender-related and/or gender biased and the convergence of gender, race, and class in educational organizations. Prerequisite: upper division standing. This course is cross-listed as EPFA 455, may only be taken once for credit. •[NEW]

SCHOOL OF EDUCATION

New Graduate Program: Early Intervention and Special Education Endorsement.

ED 420/520 INTRODUCTION TO EDUCATION AND SOCIETY (4)
- Explores the nature of public education in the social context of the United States. Purpose is to develop critical ways of thinking about schools as social institutions and as a means of cultural transmission and transformation. •[NEW]

Curriculum and Instruction

CI 511 CLASSROOM MANAGEMENT (2-3) •[CHANGE CREDITS FROM (3) to (2-3)]

CI 513 CLASSROOM INSTRUCTION AND TECHNOLOGY (2-5) CI 516, 517 INTEGRATED METHODS I, II (2-5) •[CHANGE CREDITS FROM (5) to (2-5)]

CI 518 INTEGRATED METHODS III (1-5) •[CHANGE CREDITS FROM (5) to (1-5)]

CI 528 WHOLE LANGUAGE APPROACH TO LITERACY (3) •Designed to give the rationale and theory base for the whole language approach to literacy and to examine appropriate classroom practices and materials for grades K-8. •[CHANGE NUMBER FROM 546, TITLE, DESCRIPTION]

CI 545 EDUCATING EARLY ADOLESCENTS (3) •Focuses on the nature of early adolescence and examines theory and practice informing development of the philosophy of early adolescent education organizational structures appropriate for these learners, and the diverse roles of the middle-level teacher. Introduces students to the curriculum and delivery methods appropriate for emerging adolescents. •[NEW]

CI 560 ACTION RESEARCH (3) •Designed to help educators see themselves as researchers, in order that they may conduct research in educational settings that contribute to the improvement of education. Research questions and methods appropriate for practicing educators will be covered. •[NEW]

CI 567 CURRICULUM AND CULTURE (3) •Understanding the cultural basis of instructional materials in curriculum development and teaching and how the organization of knowledge in a subject area and the explanation of new ideas are influenced by cultural root metaphors. Planning and administering the instructional materials center in the modern school. The cooperative roles of the teacher, administrator and librarian in curriculum development and materials. •[CHANGE TITLE, DESCRIPTION]

Educational Policy, Foundations, and Administrative Studies

EPFA 455/555 GENDER AND EDUCATION (3) •Explores the significance of gender in educational work. The focus will be on the history of gender arrangements in educational organizations and the formation of gender roles in contemporary American society, particularly in the family, schools, and the economy. Students will examine differential socialization of males and females, ongoing practices in educational organizations that are gender-related and/or gender biased and the convergence of gender, race, and class in educational organizations. This course is cross-listed as WS 455, may only be taken once for credit. •[NEW]

EPFA 456/556 THE URBAN SCHOOL AND "AT-RISK" STATUS (3)
- Draws upon theory, research, and practice for the examination of the conditions of being "at-risk" in urban schools. Explores the family, community and school environments and their relationships in the hindrance of development of children and youth leading to their "at-risk" status. This course is cross-listed with Urban Studies. •[NEW]

EPFA 497/597 ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS (3) •Examines theory and practice informing the administration/leadership of early childhood programs to include: 1) organizational configurations, 2) leadership and the dynamics of the work group, 3) developmentally appropriate curriculum, 4) interaction with families of young children, and 5) significance of poverty, race, and gender for such programs. Prerequisite: child and family studies major or admission to an education graduate program. •[NEW]

EPFA 516 DEVELOPMENTAL PERSPECTIVES ON ADULT LEARNING (3)
- Explores professional applications of adult development theory and research to facilitating adult learning in a wide variety of contexts, including formal educational and training programs as well as general environments such as learning organizations. Prerequisite: admission to a graduate program. •[NEW]

EPFA 517 ADULT LEARNING (3) •[CHANGE NUMBER FROM 516]

EPFA 518 POLICY AND GOVERNANCE IN POSTSECONDARY ED (3) •[CHANGE NUMBER FROM 517]

EPFA 521 INTRODUCTION TO EDUCATIONAL ADMINISTRATION (3)
- Introductory course required of applicants to the Basic Administrator certificate program. Considers educational, social, political, economic, organizational, and cultural forces shaping U.S. public schools and their administration. •[NEW]

EPFA 523 ADMINISTRATION OF CURRICULUM (3) •Provides a broad and critical understanding of curricular matters that are relevant and important to administrators: 1) decision making about the choice of content; 2) politics of curriculum development; 3) implementation and monitoring of curriculum at building site; 4) testing and alignment of curriculum; and 5) evaluation of curriculum implementation. Prerequisite: EPFA 521 or CI 566. •[NEW]

EPFA 535 ASSESSING ADULT LEARNING (3) •Introduction to the approaches, processes and tools that can be used to assess adult learning. Emphasis is given to applications at the classroom and program levels and to practices that themselves contribute to adult learning. Prerequisite: EPFA 517. •[NEW]

EPFA 539 THE PRINCIPALSHIP (3) •Designed to develop complementary theoretical and practical understanding of the principalship; to acquire knowledge and to learn practices and skills needed to become a successful first-year principal. Prerequisite: EPFA 521. •[NEW-DELETE OLD 596]

EPFA 597 SECONDARY SCHOOL ADMINISTRATION (3) •[DROP]

SpEd 410/510 SPECIALIZED TECHNIQUES: EARLY INTERVENTION/EARLY CHILDHOOD SPECIAL EDUCATION (3, 3)
- Develops specialized knowledge and skills necessary for providing early intervention and early childhood special education services to infants, toddlers and preschool children with severe and multiple disabilities, including children with physical and sensory impairments, children with health impairments, and children with autism. •[NEW]

SpEd 410/510 FAMILY GUIDED EARLY INTERVENTION (3) •Develops knowledge and skills necessary for providing early intervention services to infants and toddlers with developmental delay/disabilities and their families. •[NEW]

Coun 557 JOB PLACEMENT AND TRAINING (3) •Techniques, training and outcomes to assist persons with disabilities obtain and maintain employment. •[NEW]

SpEd 557 JOB PLACEMENT AND TRAINING (3) •Techniques, training and outcomes to assist persons with disabilities obtain and maintain employment. •[NEW]
**SCHOOL OF FINE AND PERFORMING ARTS**

### Art

**New BA in Art History** in addition to an Art major with a concentration in Art History. No budget impact.

**Art 224, 225, 226 GRAPHIC DESIGN I (4, 4, 4)** •Three-term introductory sequence that focuses on graphic arts production processes (manual and electronic), visual design, design theory, principles and practices of graphic design, and processes that lead to creative problem solving techniques. Must be taken concurrently with Art 227, 228, 229 Computer Graphics I. Variety of studio assignments that involve students with two-dimensional design theory and will be finalized/output in the Computer Graphics I course. Courses must be taken in sequence. Prerequisites: Art 115, 116, 117. •[CHANGE DESCRIPTION, CREDIT HRS FROM (3, 3, 3) to (4, 4, 4)]

**Art 227, 228, 229 COMPUTER GRAPHICS I (2, 2, 2)** •Three-term introductory sequence to the Macintosh as a tool for electronic graphic arts design and production. Must be taken concurrently with Art 224, 225, 226 Graphic Design I. The two sequences work in harmony to instruct in design principles and practices and computer applications which allow students to produce their ideas from Graphic Design I. Art 227: Students survey tools and techniques in graphic environment applications such as, paint (SuperPaint), draw (MacDraw), photo imaging (Adobe Photoshop), illustration (Adobe Illustrator), and layout (QuarkXpress). Art 228: graphics environments are explored through individual projects corresponding to Graphic Design I assignments. Computer graphics theory and production issues discussed. Students gain working knowledge of the Macintosh through a variety of design assignments. Art 229: graphics environments with greater emphasis on typography as an image. Full color (CMYK) design solutions emphasized. Working knowledge of the Macintosh continues with solutions to more involved design assignments. Course is a prerequisite to upper division computer graphics courses. Prerequisite: Art 115, 116, 117. •[CHANGE NUMBER FROM 220, TITLE, DESCRIPTION, PREREQ, CREDIT HRS FROM (3) to (2, 2, 2), CREATE A SEQUENCE]

**Art 291, 292, 293 SCULPTURE I, II, III (4, 4, 4)** •Art 291-Mass: students will be introduced to working in three dimensions through observation and those materials that lend themselves to forms that produce actual mass and volume. Some work from a life model. Plaster mold-making will be included. Art 292-Plane: an approach to three dimensions that involves constructive techniques. Mass and volume will be achieved through planer construction. Art 293-Space: focus on how an object exists in space and how that space makes an object. Both planer and mass forms will be considered. •[CHANGE TITLE, DESCRIPTION, CREDITS HRS FROM (3, 3, 3) to (4, 4, 4)]

**Art 373 CREATIVE SCULPTURE (4)** •[CHANGE HRS from (3, 3, 3) to (4), DROP 374, 375]

**Art 485/585 ADVANCED SCULPTURE WELDING (4)** •Constructivist approaches to working with the focus on steel. Welded metal sculpture fabrication using gas, electric, and heliarc welding methods. Experimental materials, methods, and concepts optional, consistent with the facilities and circumstances. Maximum: 12 credits. Prerequisite: 12 credits in elementary sculpture.

**Art 489/589 ADVANCED SCULPTURE CASTING (4)** •Bronze casting using the lost wax investment method. Experimental materials, methods, and concepts optional, consistent with the facilities and circumstances. Maximum: 12 credits. Prerequisite: 12 credits in elementary sculpture. •[ADD 488/588, CHANGE TITLE, DESCRIPTION, CREDIT HRS FROM (3) to (4, 4)]

**Art 494/594, 495/595, 496/596 ADVANCED SCULPTURE TOPICS (4, 4, 4)** •Art 494/594, 495/595: series of rotating topics that address current conceptual approaches and issues in the arts including: installation, site specific, space/body, language and materials. Art 496/596 independent projects: acting as a capstone course within the concentration the student will be expected to develop their own criteria and issues that result in a body of work which exhibits a focused direction. Prerequisite: upper division standing; 12 credits in sculpture. •[EXPAND TO SEQUENCE, CHANGE TITLE, DESCRIPTION, CREDIT HRS FROM (3) to (4, 4, 4)]

### Music

**Minor in Jazz Studies:** A new 35 hour program

**Master of Music:** A new degree offering options in either performance or conducting.

**Mus 110 BASIC MATERIALS (4)** •Basic course in the theory, structure, and literature of music, requiring no previous musical experience. Prepares students for enrollment in Music Theory. •[CHANGE HRS 3+4, DESCRIPTION]

**Mus 111, 112, 113 MUSIC THEORY I (4,4,4)** •Provides a thorough groundwork in the elements of music including studies to develop the ability to recognize and notate aural patterns -- melodic, harmonic, and rhythmic -- with keyboard and written exercises and analysis based on the styles of Bach, Haydn, Mozart, and Beethoven and other 18th and 19th century composers. An entrance placement examination will be given. Basic Keyboard Skills is recommended for music majors and minors. •[CHANGE HRS from (3,3,3) to (4,4,4), DESCRIPTION]

**Mus 114, 115, 116 SIGHT SINGING & EAR TRAINING (1,1,1)** •[DROP]

**Mus 120 MUSIC IN THE WESTERN WORLD (4)** •[CHANGE HRS from (2,2) to (4), DELETE 121]

**Mus 191, 192, 193 CLASS INSTRUCTION (2,2,2)** •[CHANGE HRS from (3,3,3) to (2,2,2)]
Mus 201, 202 INTRODUCTION TO MUSIC (4,4) •Designed for non-majors. Course involves lectures, reading, and listening. Course may emphasize music of different world cultures. Successively the course deals with elements of music and small forms (201), and large forms of music and categories of musical literature (202).

Mus 204, 205, 206 MUSIC HISTORY (2,2,2) •[DROP]

Mus 211, 212, 213 MUSIC THEORY II (4,4,4) •Continuation of the study of harmony. Composition in smaller forms in various 19th and 20th Century idioms. Includes introduction to counterpoint. Application of theoretical principles to the keyboard; understanding more advanced theory through the keyboard. Elementary score reading, keyboard harmonization of folk tunes, advanced work in sight-singing and ear training. Prerequisites: Mus 111, 112, 113. •[CHANGE HRS from (3,3,3) to (4,4,4), DESCRIPTION, PREREQ]

Mus 214, 215, 216 KEYBOARD HARMONY, SIGHT-SINGING AND EAR TRAINING (1,1,1) •[DROP]

Mus 261, 262 HISTORY OF ROCK MUSIC (4,4) •Traces the history and development of a popular music style in the United States, Great Britain, and other parts of the world. •[CHANGE HRS from (3,3) to (4,4), DESCRIPTION]

Mus 301, 302 SURVEY OF MUSIC LITERATURE (4,4) •For non-majors; study of the history of music through examination of the literature of particular periods as follows: Mus 301 Music from 1700 to 1875; Mus 302 Music from 1875 to present. •[CHANGE HRS from (3,3,3) to (4,4,4), DESCRIPTION, DELETE 303]

Mus 304, 305, 306 MUSIC HISTORY (4,4,4) •Intensive analytical study of the history of music in the Medieval and Renaissance Periods (Mus 304), Baroque and Classical Periods (Mus 305) and Romantic and 20th Century periods (Mus 306). Prerequisites: Mus 113, 120. •[CHANGE HRS from (2,2,2) to (4,4,4), DESCRIPTION, PREREQ]

Mus 355 JAZZ HISTORY (4) •[CHANGE HRS 3»4]

Mus 360 THE GUITAR: ITS HISTORY & MUSIC (4) •[CHANGE HRS 3»4]

Mus 374, 375 WORLD MUSIC (4,4) •Study of the major musical cultures of Asia, the Middle East, and sub-Saharan Africa. Explores social and cultural contexts, instrument types, and structural organization of the music. Emphasis on listening. Prerequisites: Mus 110, 111, 120, 201, or 204. •[CHANGE COURSE NUMBER, CREDIT HRS FROM (3,3) TO (4,4), DESCRIPTION, PREREQ]

Mus 376 AMERICAN MUSICAL TRADITIONS (4) •Examines the diversity of musical traditions found in American history and culture. Included are African-American, Anglo-American, Hispanic, and Native-American musical cultures, in the areas of folk, popular and classical music genres. Prerequisite: Mus 110, 201, or 261. •[CHANGE HRS 3»4, DESCRIPTION, PREREQ]

Mus 381 MUSIC FUNDAMENTALS (4) •[CHANGE HRS 3»4]

Mus 428/528 OPERA PRODUCTION (2) •Annual production of a major operatic work. Designed for singers, orchestral instrumentalists, and technical support staff in the areas of costume, set design and other areas. Casting for production is by audition during winter quarter. •[NEW]

Mus 453/553 ADVANCED KEYBOARD SKILLS (3) •Investigates and applies advanced theoretical concepts to keyboard playing and improvisation. Applications include sight-reading, transposition, harmonicization and figured bass reading. Prerequisite: by audition. •[NEW-ADD TO 451/551,452/552 SEQUENCE]

Mus 471/571, 472/572, 473/573 ADVANCED JAZZ IMPROVISATION (2,2,2) •Advanced concepts of jazz improvisation. Principles of pentatonics, diminished harmonies, inside-outside playing, synthetic scales, and free improvisation. Instructor approval required. Prerequisites: Mus 271, 272 and 273. •[NEW]

Mus 474/574, 475/575 MIDI APPLICATIONS (2,2) •Study of the fundamentals of MIDI and computer music programs. Includes work on synthesizers, sequencing and notation software. Prerequisite: consent of instructor. •[NEW]

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Radiation Therapy

BA/BS in Theater Arts: Changes create a core requirement and a choice of three options: (1) the General Option; (2) the Performance Option; and (3) the Design/Technical Theater Option. The third option contains three tracks: scenography, Lighting, and Costume. Total required hours increased from 73 to 84.

TA 101 THEATER APPRECIATION (4) •[CHANGE HRS 3»4]

TA 111, 112 FUNDAMENTALS OF TECHNICAL THEATER (2,2) •First term of sequence concerns planning, building and production organization skills needed to mount theatrical productions. Second term continues and adds elements of lighting and sound. Both terms require a three hour lab period per week. Must be taken in sequence. •[CHANGE HRS FROM (1,1,1) TO (2,2), DESCRIPTION, DELETE 113]

TA 114, 115 TECHNICAL THEATER LAB (2,2) •Attached lab to TA 111, 112 will combine skills in practical construction of stage sets with actual production experience on department productions. •[CHANGE HRS FROM (1,1,1) TO (2,2), DESCRIPTION, DELETE 116]

TA 135 UNDERSTANDING MOVIES (4) •[CHANGE HRS 3»4]

TA 141, 142 FUNDAMENTALS OF ACTING TECHNIQUE (4,4) •[CHANGE HRS FROM (3,3,3) TO (4,4,4), DELETE 143]

TA 145 ACTING WORKSHOP (2) •Maximum: 6 credits. •[CHANGE HRS FROM (3) TO (2), ADD MAXIMUM CREDIT STATEMENT]

TA 147 MOVEMENT FOR THE ACTOR (3) •Introduction to concepts and techniques of theatrical movement and physical theater. Will utilize a variety of relaxation, centering, stylization, and imagery exercises designed to increase body awareness and expressiveness. Skills in ensemble, mime, mask, and light acrobatics will be developed. •[NEW]

TA 301 SCRIPT ANALYSIS (4) •[CHANGE HRS 3»4]

TA 315 TECHNICAL THEATER DRAWING (2) •[CHANGE HRS FROM (3) TO (2)]

TA 316 TECHNICAL THEATER LAB (2) •Laboratory course designed to allow students to further develop stagecraft skills and gain additional practical production experience. Prerequisite: TA 111, 112, 114, 115. •[NEW]

TA 317 THEATER TECHNOLOGIES (2) •Study and practical application of advanced technical and materials in all aspects of stagecraft, including properties design and construction and special effects. Prerequisite: TA 111, 112, 114, 115, 316. •[NEW]

TA 325 COSTUME PRODUCTION (2) •[CHANGE HRS FROM (3) TO (2)]

TA 326 PATTERN DEVELOPMENT (4)

TA 327 COSTUME TECHNOLOGY (4) •[CHANGE HRS 3»4]

TA 330 MULTICULTURAL THEATER (3) •Exploration of the diversity of our society through theater—comparing and contrasting the works of certain ethnic specific writers and those writers often considered to be in the mainstream of the modern theater. •[NEW]

TA 341, 342 INTERMEDIATE ACTING (4,4) •[CHANGE HRS FROM (3,3,3) TO (4,4,4), DELETE 343]

TA 414/514 HISTORY OF DECOR (4) •[CHANGE HRS 3»4, DELETE 415/515]
TA 425/525, 426/526 HISTORICAL SURVEY OF DRAMA I, II (4,4) • Historical survey of drama in Western civilization from ancient Egyptian to modern times with emphasis on the aesthetic, cultural, and political expressions of clothing. Course may be taken out of sequence. Prerequisite: 8 hours of theater arts and/or art history/anthropology/history/psychology/sociology. •[CHANGE HRS from (3,3) to (4,4), COURSE TITLE, DESCRIPTION, PREREQ, DELETE 427/527]

TA 441/541 ACTING STUDIO (1-5) •[CHANGE HRS from (3) to (1-5)]

TA 455/555 DIRECTING (I-4) •[CHANGE HRS 3+4]

TA 464/564, 465/565 DEVELOPMENT OF DRAMATIC ART (4,4) • Survey of dramatic literature and theater history from ancient times to the emergence of the modern theater in the 19th century. The course is chronological in its presentation but each term may be taken separately. •[CHANGE HRS from (3,3) to (4,4), COURSE TITLE, DESCRIPTION, DELETE 464/564]

TA 467/567, 468/568 MODERN THEATER I, II (4,4) •[CHANGE HRS from (3,3) to (4,4), DELETE 469/569]

TA 471/571 PERIODS/TOPICS IN THEATER HISTORY (1-4) • Concentrated study of a particular period and/or topic in theater history: for example, The Classical Theater Tradition, The Medieval and Renaissance Theater, The Emergence of the Bourgeois Theater, The Nineteenth-Century Theater, and Theatrical Expressionism. Prerequisite: TA 464 and 465 or appropriate sophomore inquiry course. •[CHANGE COURSE TITLE, CREDIT HRS from (3) to (1-4), DESCRIPTION]

TA 472/572 MAJOR FIGURES IN THEATER HISTORY (1-4) • Concentrated study of the contribution of one or more major theater artists: for example, Ibsen, Stanislavsky, Appia, Brecht, and Artaud. Prerequisite: 8 credits of theater arts. •[CHANGE COURSE TITLE, CREDIT HRS from (3) to (1-4), DESCRIPTION]

TA 473/573 THEATER HISTORY III (3) •[DROP]

TA 474/574, 475/575 PLAYWRITING I, II (4,4) •[CHANGE HRS from (3,3) to (4,4), DELETE 476/576]

**GRADUATE SCHOOL OF SOCIAL WORK**

SW 552 SOCIAL WORK WITH DEPRESSED CLIENTS (3) • Depression is the leading mental health problem known today. Because depressive disorders are characterized by a complex of biological, psychosocial, and intrapsychic components, this course will take a multifaceted approach to assessment and treatment. The goal is for students to be able to determine the most effective interventions for particular subgroups of depressed clients. •[NEW]

SW 556 CLINICAL SOCIAL WORK WITH ADDICTIVE BEHAVIORS (3) • Designed to facilitate the social work student to understand the basic concepts of addiction, as it relates 1) to various types of chemical dependency and other addictions such as eating disorders, 2) to the basic information concerning selected drugs, 3) to current approaches of intervention with the addict, 4) to the role of contextual systems (with emphasis on the family) and how the addictive behavior affects these particular systems. •[NEW]

SW 558 TREATMENT OF SEXUAL ABUSE (3) • Examines the impact of child sexual abuse on the adult and child victim. Acute and long-term sequelae identified, as well as the interaction of traumatic and developmental effects. Treatment approaches described, with a focus on an integrative biopsychosocial model. Individual, group, and family treatment modalities described. The interaction of legal and social service systems explored as it pertains to child victims, offenders and families. Conceptual issues identified and discussed. The relationship of clinical narrative to contemporary social discourse about sexual abuse will be explored, including current debates in the field. Comparison of clinical knowledge and empirical knowledge regarding effects and treatment. Theories of causation briefly explored. •[NEW]

SW 576 DEVELOPING CULTURALLY COMPETENT ORGANIZATIONS (3) • Covers the cultural competence model and how organizations and systems prepare for diversity. The genesis and the elements, principles, and value base of the model explored. The reason for the model and why it is being widely adopted will be covered. Concrete examples of what agencies and systems are currently doing to prepare for diversity and what issues remain to be addressed. Students will become more familiar with terminology, theory, and cross-cultural literature as they learn to develop action plans that can promote greater competency in agencies and organizations. •[NEW]

SW 555 SOCIAL WORK WITH ALCOHOLICS AND THEIR FAMILIES (3)
SW 560 SOCIAL WORK WITH LESBIAN AND GAY CLIENTS (3)
SW 569 CLINICAL SOCIAL WORK WITH GROUPS (3) • [DROP 542 AS PREREQ]

SW 552 EGO PSYCHOLOGY IN SOCIAL WORK PRACTICE (3)
SW 556 FORMAL ORGANIZATIONS (3)
SW 558 MULTIGENERATIONAL FAMILY THERAPY (3)
SW 576 MULTIGENERATIONAL FAMILY THERAPY (3)
SW 585 COMPUTERS IN SOCIAL WORK (3) • [DROP COURSES]

SW 621 SOCIAL PROBLEM ANALYSIS I (3) • Prerequisite: SW 620. •[ADD PREREQ]

SW 622 PROBLEM ANALYSIS II (3) • Prerequisite: SW 621. •[ADD PREREQ]

SW 651, 652 INTEGRATIVE SEMINAR (3,3) •[CHANGE TO P/NP GRADING OPTION]

**SCHOOL OF URBAN AND PUBLIC AFFAIRS**

Urban Studies and Planning

USP 201 THE URBAN PHYSICAL ENVIRONMENT (3)
USP 202 THE URBAN SOCIAL ENVIRONMENT (3)
USP 203 THE URBAN ENVIRONMENT: PLANNING AND POLICY ISSUES (3) •[DROP]

USP 301, 302, 303 COMMUNITY DEVELOPMENT COLLOQUIUM (4,4,4) • Three-term sequence limited to majors in community development that introduces them to the field. USP 301: Theory and Philosophy of Community Development. 1) New approaches to the philosophy of community; 2) theory and comparative practice, and 3) case study of local theory and practice, presentation of an in-depth case study from the Pacific Northwest. USP 302: Methods of Community Development. Review of community organization, community and network analysis, organizational development and management, strategic planning, management issues, and approaches to evaluation. USP 303: Community Development Field Seminar. Participant observation through placement in a community-based organization actively engaged in community development activities on behalf of a specific community, and critical reflection on the placement experience. •[NEW]

USP 311 INTRODUCTION TO URBAN PLANNING (4) •[CHANGE HRS 3+4]

USP 312 URBAN HOUSING AND DEVELOPMENT (4) • Problems of housing, development and redevelopment in an urban setting are analyzed from economic, demographic, and planning perspectives. In-depth examination of the nature of the urban economy and residential location, with a focus on housing problems and their associated social, physical, and racial aspects. Role of federal and community-based housing policies and programs. Prerequisite: USP 311. •[CHANGE HRS 3+4, DESCRIPTION]

USP 313 URBAN PLANNING: ENVIRONMENTAL ISSUES (4) •[CHANGE HRS 3+4]

USP 385 HISTORY OF AMERICAN CITIES (4) • Also listed as Hst 318. •[CHANGE HRS 3+4, ADD CROSS-LIST STATEMENT]

USP 422 URBAN DESIGN: ELEMENTARY PROBLEMS STUDIO (3) • [DROP]
USP 423 URBAN DESIGN: TEAM PROJECT STUDIO (3) *[DROP]*

USP 425 COMMUNITY AND THE BUILT ENVIRONMENT (4) • Application of psychological and social concepts to understanding community and its relationship to the built environment and urban design. The use of space in interpersonal relations (personal space, territoriality, privacy); the impact of crowding and density on social relations. The functioning of social networks in the city; types of communities, creating intentional communities. • [CHANGE TITLE, HRS 3-4, DESCRIPTION]

USP 450/550 CONCEPTS OF CITIZEN PARTICIPATION (3)
• Examination of principles, methods, and programs for giving explicit attention to the perspectives of citizens in the development and implementation of public policies that affect citizen participation in its historical context with an assessment of its impact to date. Participation from the perspective of both the citizen and the government will be covered as will the variety of approaches for achieving participation goals and objectives. • [NEW]

USP 454/554 THE URBAN SCHOOL AND “AT RISK” STATUS (3)
• Draws upon theory, research, and practice for the examination of the conditions of being “at-risk” in urban schools. Explores the family, community and school environments and their relationships in the hindrance of development of children and youth leading to their “at-risk” status. This course is cross-listed as EPFA 456/456. May be taken only once for credit. • [NEW]

USP 564/664 ENVIRONMENTAL POLICY (3) • Surveys federal, state, and international environmental policy-making with an emphasis on process design. Political and technical objectives for policy, the roles and responsibilities of institutions, federal-state tensions, representation and analysis of stake holding interests, the role of the media, and environmental justice are key elements. Topical areas include issues concerning resource management as well as pollution prevention. • [NEW]

USP 572/672 REGIONAL ECONOMIC DEVELOPMENT (3) • [CHANGE TITLE]

USP 591 GEOGRAPHIC INFORMATION SYSTEMS I: INTRODUCTION (4)
• The use of computers in Geographic Information Systems (GIS) and mapping. Includes theory of databases related to geographic information management and practical aspects of database design. Students will use a variety of programs for mapping and spatial analysis of geographic information. Each student completes a series of exercises demonstrating a variety of approaches to the analysis and display of spatial data. Prerequisite: Geog 282 or equivalent experience in cartography. Also listed as Geog 491/591, may only be taken once for credit. • [NEW]

USP 592 GEOGRAPHIC INFORMATION SYSTEMS II: APPLICATIONS (4)
• Prerequisites: Geog or USP 491/591, and USP 519 or 543. Also listed as Geog 492/592. • [CHANGE NUMBER FROM 571/671, TITLE, AND PREREQ]

USP 615 ECONOMIC ANALYSIS OF PUBLIC POLICY (4) • Introduction to the use of microeconomic analysis in the evaluation of public policy. Intended for entering graduate students with a limited background in economics. Develops basic analytic methods and emphasizes application of the analysis to issues of public policy. Prepares students for advanced classes that use this type of analysis. • [NEW]

progress on the agreed learning contract and to discuss a variety of implementation and organizational issues. Prerequisite: completion of at least 37 hours of the MBA core sequence.
• [CHANGE DESCRIPTION, ADD PREREQ]

BA 556 COMPETITIVE AND STRATEGIC ANALYSIS (3) • Integrative course that focuses on application of analytical techniques to the processes and outcomes of the firm. Emphasizes the identification, analysis and evaluation of the marketing, financial and accounting bases of competition and the development of appropriate business strategies. Prerequisites: Mktg 544, FinL 561, Actg 512. • [NEW]

Actg 476/576 INTERNATIONAL ACCOUNTING (4) • International accounting issues crucial for effective interpretation and understanding of international business. Framework to analyze and understand financial reports used by multinational corporations (MNCs). Special managerial and control problems of MNCs including performance evaluation, transfer pricing and taxation. Prerequisites: Ba 223 for Actg 476; Actg 511 for Actg 576. • [CHANGE NUMBER FROM 390, HRS 3-4, DESCRIPTION, PREREQ]

Actg 512 ACCOUNTING FOR BUSINESS DECISIONS (3) • Course takes the perspective that managers should not use information from accounting systems designed to prepare external financial reports in order to make internal management decisions. Using financial accounting information to run a business is called “managing by the numbers,” and provides alternative approaches to developing and using accounting information. Special emphasis will be placed on understanding traditional cost systems, activity-based costing systems and determining the cost of quality. Course will rely heavily on the examination of actual company situations. • [CHANGE DESCRIPTION, DELETE PREREQ]

Actg 542 TAX FACTORS IN BUSINESS DECISIONS (3) • Intended for the general business (MBA) student. Course will cover the tax implications of common business questions and transactions, including: choice of business entity, acquisition and sale of business assets, compensation and benefits planning, and the US taxation of international trade. Students will be exposed to the common income and estate tax planning strategies of individuals and families engaged in business. Not available for credit toward Master of Taxation degree. Prerequisite: Actg 511. • [CHANGE DESCRIPTION]

Actg 551 ACCOUNTING ISSUES IN ENTERPRISE SYSTEMS (2) • Study of accounting information systems for operations with an emphasis on accounting issues. Topics include innovative accounting system architectures, creating new value through accounting systems, and limitations and potentials of various accounting information systems. • [NEW]

Actg 553 FINANCIAL STATEMENT ANALYSIS (3) • Sound financial information for making business decisions is obtained by an understanding of the accounting data from which the information is derived as well as by the application of tools of analysis. Students will gain an increased understanding of the properties and use of accounting numbers in the determination and forecasting of financial position, the financial disclosure process and its use in comparing business performance. Prerequisite: Actg 511, FinL 561. • [CHANGE DESCRIPTION AND PREREQ]

Actg 565 CASES IN MANAGERIAL ACCOUNTING CONTROLS (3) • [DROP]

FinL 543 INVESTMENTS (4) • Introduction to investment analysis, including the functioning of capital markets; valuation theory applied to the aggregate market, alternative industries, and individual firms; stock valuation models; strategies for the selection, evaluation, and revision of portfolio of stocks; portfolio performance evaluation and measurement. Coverage of securities available in the bond market–treasury securities, agency securities, corporate bonds, municipal bonds, international bonds, mortgage-backed securities, their investment characteristics, and methodology for valuing them; the level and structure of interest rates; strategies for managing bond portfolios. Prerequisite: FinL 561. • [CHANGE HRS 3-4, DESCRIPTION, PREREQ]

FinL 545 HEDGING AND RISK MANAGEMENT (3) • Futures, options, swaps, and other derivative instruments, their characteristics,
their uses in financial risk management, and their effects in speculative situations; methodologies for valuation of derivatives. Prerequisite: FinL 561. • [NEW]

FinL 546 CONTRACT LAW FOR MANAGERS (3) • [DROP]

FinL 553 FINANCIAL ANALYSIS AND BUSINESS VALUATION (4) • Financial analysis of the performance of the business or parts of the business such as product or projects. Tools and techniques of financial statement analysis from the perspective of investors and creditors; development of models for determining and forecasting the profitability and financial position of the firm. Business valuation techniques, emphasizing cash flow projections. Some issues in costs and risk management. Theoretical principles and practical approaches of valuation of a business or business interest; valuation strategies for specific purposes such as valuation for mergers, acquisitions, and corporate restructuring, multibusiness valuation, valuation of international businesses. Prerequisite: FinL 561; competency with electronic spreadsheets. • [CHANGE TITLE; HRS 3→4; DESCRIPTION; PREREQ]

FinL 556 INTERNATIONAL FINANCIAL MANAGEMENT (4) • Development and study of a framework for the financial decisions of multinational businesses; management of working capital, investment and financing decisions of a firm in an international environment; foreign exchange markets, exchange risk, and international diversification. Prerequisite: FinL 561. • [CHANGE HRS 3→4; DESCRIPTION; PREREQ]

ISQA 462 DECISION SIMULATION (3) • [DELETE CORRESPONDING 562]

ISQA 518 ELECTRONIC COMMERCE (3) • Survey of technologies and technological applications to conduct business electronically today and in the future. Students will learn about electronic data interchange, the role of technology in electronic markets, the internet, and the organizational impact of these technologies. Internet-based technologies will be presented and used. Prerequisite: BA 530. • [NEW]

ISQA 525 DATABASE DESIGN (2) • Practical course focusing on the design and use of databases. Students will learn to model data needs, design relational databases based on those needs, and methods for querying a database. Database Management System (DBMS) will be used. Other topics address emerging database trends. Prerequisite: BA 530. • [NEW]

ISQA 530 SYSTEM ARCHITECTURES (3) • Study of cutting-edge hardware and software architectures and their usage in business environments. Students will learn how managers identify and adopt new technologies for business systems. Topics include hardware/software concepts, needs assessment, decision criteria, and implementation issues. Prerequisite: BA 551. • [NEW]

ISQA 572 MODELS FOR QUALITY CONTROL (3) • Study of variability. Emphasis on quality improvements through the application of experimental design. Topics include accounting for randomness, systematic identification of sources of variation, control charts, and statistical process control (SPC). Course will use a combination of cases, lecture, and computer-aided analyses to provide the students with a foundation in quality control analysis. Prerequisite: BA 551. • [NEW]

Mgmt 493/593 HUMAN RESOURCE POLICIES (4) • [DROP]

Mgmt 546 PRINCIPLES OF INTERNATIONAL MANAGEMENT (4) • Covers the major challenges of managing internationally, including political risk assessment, international strategy, structuring and controlling the multinational enterprise, international negotiations, and international human resource management. Course is targeted both toward managers who work abroad as well as those dealing with international business from the home country. • [NEW]

Mgmt 552 PERFORMANCE APPRAISAL AND COMPENSATION (3) • [DROP]

Mgmt 553 HUMAN FACTORS IN PRODUCTIVITY (3) • [DROP]

Mgmt 581 STOCHASTIC MODELS IN OPERATIONS RESEARCH (3) • [DROP]

Mgmt 572 STATISTICAL MODELS IN FORECASTING (3) • [DROP]

Mktg 441/541 MEDIA STRATEGY (3) • [DROP]

Mktg 442/542 ADVERTISING COPY AND LAYOUT (3) • [DROP]

Mktg 443/543 ADVERTISING CAMPAIGNS (4) • [DROP]

Mktg 546 BUYER BEHAVIOR AND COMMUNICATION (4) • Study of determinants of buyer purchasing behavior emphasizing contributions from the behavioral sciences. Course will explore application of behavioral concepts to marketing strategy with emphasis on marketing communications and promotion. Prerequisite: Mktg 544. • [CHANGE NUMBER AND COMBINE 545 AND 563; TITLE, CREDIT HRS FROM (3, 3) to (4), DESCRIPTION]

Mktg 547 DISTRIBUTION STRATEGIES (3) • Examines the fundamental and emerging trends in distribution activities of business enterprises. Course analyzes the competitive advantage(s) associated with distribution strategies. Explores trends in channel design, the changing role of participants, channel relationships and channel communications. Prerequisite: Mktg 544. • [NEW]

Mktg 550 INTERNATIONAL BUSINESS POLICY (3) • [DROP]

Mktg 551 MANAGING MARKETING INFORMATION (3) • Study of the uses and implementation of tools, methods, processes and systems for managing marketing information. Emphasis will be placed on the determination of information needs for marketing decision, the methods, processes and systems for effective and efficient management of marketing information, as well as the new marketing approaches and tools that utilize information technology for marketing products and services. Prerequisite: Mktg 544. • [NEW]

Mktg 552 RELATIONSHIP AND SERVICE MARKETING (3) • Course focuses on the understanding of the service-profit chain and its links to customer satisfaction. Producer-customer relationships will be examined in terms of health service profits and growth, satisfied and loyal customers, greater service value. Includes emphasis on how to measure, retain, and enhance customer satisfaction. Prerequisite: Mktg 544. • [NEW]

Mktg 560 RESEARCH FOR MARKETING DECISIONS (4) • Designed to study the methods of gathering primary and secondary information for business decisions. Also designed to study how to become a good information user. Emphasizes the planning, design, implementation of quantitative and qualitative research projects to obtain information from internal and external business environments. Considers the evaluation and appropriate use of information, information sources and research services. Prerequisite: ISQA 511, Mktg 544. • [CHANGE HRS 3→4; DESCRIPTION]

Mktg 565 MARKETING STRATEGY AND DECISION MAKING (3) • Develops the student’s ability to understand, analyze and evaluate marketing situations and to develop appropriate marketing decisions. Stresses detailed analysis of marketing environments and the design and implementation of marketing strategies. Integrates a case study format. Prerequisites: FinL 561, Mktg 544. • [CHANGE TITLE; DESCRIPTION]

Mktg 566 GLOBAL MARKETING MANAGEMENT (4) • Examines and provides framework for study of global marketing environment as well as the management of global marketing enterprises and global marketing practices. Encompasses the preparation for global competition, assessment of environmental forces, and strategic and operational planning for marketing in the global environment. Also examines the management of international, multinational and global marketing enterprises and their marketing activities. Prerequisite: Mktg 544. • [CHANGE TITLE; HRS 3→4; DESCRIPTION]

SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Civil Engineering

• Consideration postponed.