

Note from Secretary: Prior to approval of the Consent Agenda at the 4 June 2018 Faculty Senate meeting, a correction was made to item E.1.54, viz., a correction to the course title.

May 10, 2018

TO: Faculty Senate|

FROM: Donald Duncan, Chair, Undergraduate Curriculum Committee

RE: June, 2018 Consent Agenda

The following proposals have been approved by the Undergraduate Curriculum Committee and are recommended for approval by the Faculty Senate.

You may read the full text for any course or program proposal as well as Faculty Senate Budget Committee comments on new and change-to-existing program proposals by going to the PSU Curriculum Tracking System at <http://psucurriculumtracker.pbworks.com> and looking in the 2017-18 Comprehensive List of Proposals or by going to the [Online Curriculum Management System \(OCMS\) Curriculum Dashboard](#) to access and review proposals.

## College of the Arts

### **Changes to Existing Programs**

#### E.1.c.1

- BA/BS in Film –adds a 4-credit course under International Cinema increasing the requirement from 4 to 8 credits; adds a core production course (Film 132 Introduction to Digital Filmmaking) which will serve as a required course for students seeking a BA or BS in Film and which will also be a pre-requisite for the program’s 200-level film production courses; shifts topics from Film 360 Topics in Film Production to stand-alone classes that highlight editing, cinematography, sound, and experimental cinema and media production; other housekeeping changes.

### **New Courses**

#### E.1.c.2

- FILM 363 Topics in Experimental Film and Media Production, 4 credits  
Introduction to new scenarios for cinema and new reasons for deploying it in different spaces, particularly in public. In using various combinations of cameras, screens, projectors, participants, and spaces it challenges students to design and construct moving image-based works that address unique historical, spatial, and social situations and struggles in public and semi-public spaces. Prerequisites: FILM 131 and either FILM 257 or FILM 258.

#### E.1.c.3

- FILM 364 Sound: Production and Design, 4 credits  
Students will study and apply production and post-production sound techniques for fiction and non-fiction film and video applications. The technical aspects and aesthetic considerations of storytelling through sound in lectures, screenings, demonstrations, exercises, creative projects, and class critiques will be assessed. Topics include: principles of sound, production sound recording equipment, positioning microphones, audio software, sound mixing, effects editing, using music, editing dialogue, and careers in production and post-production audio. Prerequisites: FILM 132 and either FILM 257 or FILM 258.

#### E.1.c.4

- FILM 365 Editing, 4 credits  
Introduction to the fundamental theories of fiction and non-fiction editing techniques, technologies, and skills required to produce well- edited work. Topics include rhythm, continuity, style, space, and motion contextualized within global film practices. Learn how to use editing to shape and structure moving images and sound to invest them with intention, narrative and meaning. Prerequisites: FILM 131, FILM 132, and either FILM 257 or FILM 258.

\* This course is part of a dual-level (400/500) course. For any revisions associated with the 500-level section please refer to the Grad Council consent agenda memo.

## E.1.c.5

- FILM 366 Digital Cinematography, 4 credits  
Students will study and apply camera and lighting techniques for fiction and non-fiction film and video applications. We will address the technical aspects and aesthetic considerations of visual storytelling through lectures, screenings, demonstrations, exercises, creative projects and class critiques. Topics include: pre-production visualization, methods for shooting coverage, principles of composition, employing 2D and 3D space, the moving camera, using available light, production lighting techniques, how focal length impacts the shot, controlling depth of field, and managing exposure. Prerequisites: FILM 131, FILM 132, and either FILM 257 or FILM 258.

## E.1.c.6

- FILM 451 Advanced Production Workshop, 4 credits  
Provides an intensive production experience for advanced students who apply acquired skills to the creation of a significant, sophisticated short film in a chosen genre. Students manage all aspects of production and generate marketing materials and a distribution plan for the finished film. In addition to producing their own work, students are required to crew on fellow classmates' projects and therefore exit the course with high quality assets to add to a reel or portfolio. Prerequisite: Either FILM 359 or FILM 362.

## E.1.c.7

- FILM 460 Advanced Topics in Production, 4 credits  
Advanced study of a variety of specialized skills and/or genres related to digital film production. From term to term, topics might include: Massive Media; Visual Effects; Music Videos; Web Cinema; Urban Media. Course may be repeated for credit with different topics. Prerequisites: Either FILM 362, FILM 359 or permission of instructor.

**Changes to Existing Courses**

## E.1.c.8

- Art 241 Interaction Design Principles – change course number to Art 340, description, prerequisites.

**The School of Business****Changes to Existing Courses**

## E.1.c.9

- ISQA 429 Transportation and Logistics Management, 4 credits – change prefix to GSCM; title to *Global Transportation and Logistics Management*; description, prerequisites; eliminate 529 section.

## E.1.c.10

- ISQA 439 Purchasing and Supply Chain Management, 4 credits – change prefix to GSCM; title to *Global Sourcing and Negotiation*; description, prerequisites; eliminate 539 section.

**Maseeh College of Engineering and Computer Science****Changes to Existing Programs**

## E.1.c.11

- BS in Computer Engineering – changes the electives which brings the requirements for the BS in CMPE into better alignment (similar rigor) with the requirements for the BS in EE while providing students flexibility in choosing their elective courses.

## E.1.c.12

- BS in Computer Science – removes one 4-credit course from the set of required courses for the degree and adds one 4-credit upper-division Computer Science elective course in its place. There is no change in either the total number of sections offered or the total number of required credits.

\* This course is part of a dual-level (400/500) course. For any revisions associated with the 500-level section please refer to the Grad Council consent agenda memo.

**New Courses**

## E.1.c.13

- \*CE 411 Law & Civil/Environmental Engineering, 4 credits  
Overview of legal issues relevant to civil and environmental engineers, including contract law, environmental law, professional liability/negligence, and property law. This course will consider legal decisions, statutes and administrative rules, and case studies relevant to the practice of civil and environmental engineering. Prerequisites: Senior or graduate standing in BSCE, BSENE, or CEEV.

## E.1.c.14

- \*CE 497 Transportation & Health, 4 credits  
Introduction to the linkages between transportation investments, public policy, and behaviors and various related public and individual health outcomes. Content is divided into four modules covering: a) healthy behaviors, b) exposure to unsafe conditions, c) disaster relief/emergency response and d) integration into practice/health impact analyses. Prerequisite: CE 351.

## E.1.c.15

- \*CS 431 Introduction to Performance Measurement, Modeling and Analysis, 4 credit  
A survey of the fundamentals of computer application and system performance. Hands on programming exercises will allow us to apply the techniques to increasingly complex problems. We will use a variety of state of the art tools for measurement, modeling, simulation, and analysis throughout the course. Prerequisites: CS 201 and CS 202 and CS 333.

## E.1.c.16

- \*CS 435 Accelerated Computing, 4 credits  
Heterogeneous approaches that use special-purpose processors to accelerate the execution of a variety of applications. GPUs, Intel Xeon Phi, APUs, FPGUs. The sustainability implications of these platforms. Lectures, homework, labs, and group programming projects using NVIDIA GPUs and Intel Xeon Phi. Prerequisites: CS 333, CS 415P.

## E.1.c.17

- \*CS 495 Web Security, 4 credits  
This course covers web clients, servers, and protocols and how they can be subverted. The class will focus on the highest risk web vulnerabilities, give students practical experience in how they work, and study how they can be prevented. The class will consist mostly of laboratory exercises focused on developing student skills in performing web penetration testing. Prerequisite: CS 333.

## E.1.c.18

- EnvE 365 Physical Environmental Processes, 2 credits  
Engineering physics of environmental processes and system dynamics. Relates to separate laboratory course using quantitative techniques for conceptualizing and analyzing movement of energy and material at local and global scales. Co-requisite: ENVE 368. Expected preparation: Admission to ENVE Upper Division.

## E.1.c.19

- EnvE 366 Analytic Methods in Environmental Engineering, 2 credits  
Theory and analytical techniques for assessment of water quality properties important in environmental engineering. Co-requisite: EnvE 369. Prerequisites: Ch 222/Ch 228, Ph 223 (or Ph 213)/Ph 216, Mth 256.

## E.1.c.20

- EnvE 368 Physical Environmental Process Lab, 2 credits  
Laboratory and field exercises to accompany Physical Environmental Processes (EnvE 365). Requires concurrent enrollment in EnvE 365. Prerequisites: Ch 222/Ch 228, Ph 223 (Ph 213)/Ph 216, Mth 256.

\* This course is part of a dual-level (400/500) course. For any revisions associated with the 500-level section please refer to the Grad Council consent agenda memo.

## E.1.c.21

- EnvE 369 Analytical Methods in Environmental Engineering Lab, 2 credits  
Laboratory and field exercises to accompany Analytical Methods in Environmental Engineering (EnvE 366). Requires concurrent enrollment in EnvE 366. Prerequisites: Ch 222/Ch 228, Ph 223 (Ph 213)/Ph 216, Mth 256.

## E.1.c.22

- EnvE 370 Sampling, Analysis and Risk Assessment for Environmental Engineering Lab, 2 credits  
Synthesis of analytical chemistry and water quality knowledge. Laboratory and field exercises to implement water quality assessment project. Interpretation and presentation of project results.  
Prerequisites: EnvE 366, EnvE 369.

**Changes to Existing Courses**

## E.1.c.23

- \*CS 465 Server-side Applications: Construction and Analysis, 4 credits – change title to *Full-stack Web Development*, description.

**College of Liberal Arts and Sciences****New Courses**

## E.1.c.24

- Ar 360 Arab Cinema, 4 credits  
Focus on conversation and writing skills through the viewing and discussion of films. Topics may include: history of Arab and Arabophone cinema; Arabic literature through film; social themes such as gender, sexuality, national identity; and representations of war and colonialism in Arab cinema. Taught in English.

## E.1.c.25

- ASL 301 Third-Year American Sign Language Term 1, 4 credits  
This course will assist students in developing improved and advanced vocabulary, receptive and expressive skills, and specific terminology used in the fields of education, medicine, law, and artistic/dramatic performances. Students' confidence and fluency in ASL will improve to ensure effective interaction and communication with Deaf and hard of hearing ASL users. Prerequisite: ASL 203.

## E.1.c.26

- ASL 302 Third-Year American Sign Language Term 2, 4 credits  
This course aims to improve receptive and expressive fluency of students in two essential elements of American Sign Language—fingerspelling and numbers—in a variety of contexts and settings. Students will develop mastery of hand positioning and movement pertaining to the use of fingerspelling and numbers in a variety of communication settings and contexts. Students will also improve their abilities to utilize ASL numbering systems for time, money, measurements, game scores, and others in a variety of settings and contexts. Prerequisite: ASL 301.

## E.1.c.27

- ASL 303 Third-Year American Sign Language Term 3, 4 credits  
This course focuses on the advanced utilization of gestures, mime, pantomime, facial expressions, body movements, and handshapes that often accompany non-manual communication and which convey meaningful information in American Sign Language. Strategies for developing fluency and skills in these elements will be presented. Prerequisite: ASL 302.

\* This course is part of a dual-level (400/500) course. For any revisions associated with the 500-level section please refer to the Grad Council consent agenda memo.

## E.1.c.28

- \*Fr 445 Representations of War in French Cinema, 4 credits  
Explores representations of WWI, WWII and the Algerian War in French films. Combines methods of film analysis and historical inquiry to understand nuances of representations of everyday life during conflicts –methods and skills that students will learn and apply throughout the quarter. Taught in French.  
Prerequisite: Fr 303.

## E.1.c.29

- \*G 436 Sensors and Instrumentation for the Earth Sciences, 4 credits  
This course focuses on the construction and use of electronic instrumentation useful for Earth and Environmental Sciences. Expected preparation: Ph 202 or Ph 212. Some programming experience (e.g., G 324/G 326, G 523). Prerequisites: Ph 201, Ph 202 or Ph 211, Ph 212.

## E.1.c.30

- \*G 462 Hillslope Materials and Processes, 4 credits  
This class examines the physical, biological, and chemical processes that convert fresh bedrock into mobile regolith and transport materials on hillslopes. Topics include sediment budgets, hillslope hydrology, weathering, soil production and transport, mass movements, landslides, and landscape evolution. Prerequisites: G 318 or Geog 320 or ESM 320 and Ph 201 or Ph 211 or EAS 211 and Mth 251.

## E.1.c.31

- Hst 210 The Ancient World, 4 credits  
An introductory survey into the political, social, economic, and cultural history of the Ancient World, concentrating mainly on the Ancient Near East, Greece, and Rome.

## E.1.c.32

- Hst 309U The Roman Republic, 4 credits  
A study of the political, social, economic, and cultural history of the Roman world between the 8th and 1st centuries BCE.

## E.1.c.33

- Hst 310U The Roman Empire, 4 credits  
A study of the political, social, economic, and cultural history of the Roman world between the 1st century BCE and the 4th century CE.

## E.1.c.34

- NAS 426 Tribal Critical Race Theory, 4 credits  
This course involves the discourse on Native American Studies from the perception of Indigenous storytellers, artists, and activists whose compelling productions undertake critical examinations of imperialism, history, writing and theory-- focusing on strategies of resistance. These productions will help us challenge myths about Indigenous peoples which replicate and reproduce stereotypes.  
Prerequisite: NAS 201.

## E.1.c.35

- NAS 442 Decolonizing Methodologies: Insurgent Research and Indigenous Education, 4 credits  
Decolonizing Methodologies will provide students the analytical tools and methods necessary for conducting applied research, as well as exploration of the practical, ethical, and political issues involved in conducting research with Indigenous communities. This course integrates a post-colonial research utilizing a decolonized lens – encouraging students to engage in community-based research.  
Prerequisite: NAS 201.

## E.1.c.36

- Ph 231 General Physics I with Life Science and Medical Applications, 4 credits

This is a general physics course with a focus on life science and medical applications. In Ph 231 students explore mechanics and thermal physics. This is the first course in a sequence of three: Ph 231, Ph 232, and Ph 233 and it is recommended they be taken in this order. Prerequisite: Mth 112 or Aleks Placement Test at 75%.

## E.1.c.37

- Ph 232 General Physics II with Life Science and Medical Applications, 4 credits

This is a general physics course with a focus on life science and medical applications. In Ph 232 students explore fluids and electromagnetism. This is the second course in a sequence of three: Ph 231, Ph 232, and Ph 233 and it is recommended they be taken in this order. Prerequisite: Mth 112 or Aleks Placement Test at 75%.

## E.1.c.38

- Ph 233 General Physics III with Life Science and Medical Applications, 4 credits

This is a general physics course with a focus on life science and medical applications. In Ph 233 students explore waves and optics. This is the third course in a sequence of three: Ph 231, Ph 232, and Ph 233 and it is recommended they be taken in this order. Prerequisite: Mth 112 or Aleks Placement Test at 75%.

## E.1.c.39

- Ph 234 Lab for General Physics I with Life Science and Medical Applications, 1 credit

This is a general physics lab course with a focus on life science and medical applications. Students conduct lab exercises exploring mechanics and thermal physics. This is the first course in a sequence of three: Ph 234, Ph 235, and Ph 236 and it is recommended they be taken in this order. Prerequisite: Mth 112 or Aleks Placement Test at 75%.

## E.1.c.40

- Ph 235 Lab for General Physics II with Life Science and Medical Applications, 1 credit

This is a general physics lab course with a focus on life science and medical applications. Students conduct lab exercises exploring fluids and electromagnetism. This is the second course in a sequence of three: Ph 234, Ph 235, and Ph 236 and it is recommended they be taken in this order. Prerequisite: Mth 112 or Aleks Placement Test at 75%.

## E.1.c.41

- Ph 236 Lab for General Physics III with Life Science and Medical Applications, 1 credit

This is a general physics lab course with a focus on life science and medical applications. Students conduct lab exercises exploring waves and optics. This is the third course in a sequence of three: Ph 234, Ph 235, and Ph 236 and it is recommended they be taken in this order. Prerequisite: Mth 112 or Aleks Placement Test at 75%.

## E.1.c.42

- \*Psy 413 Ecopsychology, 4 credits

Course explores a range of topics regarding the human-nature relationship, including humans as an inseparable from nature, influences of built and natural environments on mind and behavior, psychological theory and strategies for addressing environmental problems, evolutionary and cultural factors, and the use of nature in therapy. Prerequisites: Psy 200, Psy 204, and Psy 321.

## E.1.c.43

- Soc 417 Law & Society, 4 credits  
Examination of different sociological and sociolegal theories and empirical research on the social origins, processes, functions, and actors of the social reality known as law. Consideration of law as a social institution that shapes and is shaped by society, including how law reinforces and/or ameliorates class, gender, and racial inequalities as well as fundamental issues such as free speech and privacy.  
Prerequisite: Soc 200.

## E.1.c.44

- SpHr 491 Principles of Behavior Analysis: Clinical Applications, 4 credits  
The aim of this course is to examine key principles of behavior, including: assessment, behavior modification, and measurement. While the course will discuss how principles of behavior can be applied across all populations, specific attention will be given to individuals with communication challenges and how to meet the needs of individuals with such challenges. Prerequisite: upper-division standing.

## E.1.c.45

- \*WLL 438 Language and Technology, 4 credits  
Examination of the communicative dynamics, cultures, and educational possibilities of digital environments as they are used in social, professional and world language education settings. Students will analyze and assess a variety of online environments for their own language learning or can choose to focus on research or pedagogical projects. Prerequisite: Upper-division standing.

**Changes to Existing Courses**

## E.1.c.46

- Ph 211 General Physics (with Calculus) – change title to *General Physics (with Calculus) I*, description, prerequisites.

## E.1.c.47

- Ph 212 General Physics (with Calculus) – change title to *General Physics (with Calculus) II*, description, prerequisites.

## E.1.c.48

- Ph 213 General Physics (with Calculus) – change title to *General Physics (with Calculus) III*, description, prerequisites.

## E.1.c.49

- Ph 221 General Physics (with Calculus) – change title to *General Physics (with Calculus) I*, description, prerequisites.

## E.1.c.50

- Ph 222 General Physics (with Calculus) – change title to *General Physics (with Calculus) II*, description, prerequisites.

## E.1.c.51

- Ph 223 General Physics (with Calculus) – change title to *General Physics (with Calculus) III*, description, prerequisites.

**School of Public Health****Changes to Existing Programs**

## E.1.c.52

- BA/BS in Applied Health & Fitness – changes specific PE requirements to advisor approved PE electives; changes specific list of possible business electives to require BA 101 or Fin 218 or advisor approved BA courses.

## E.1.c.53

- Human Lactation Education Certificate – integrates a 407 seminar with the 409 clinical practicum course. This is intended to house all competency attainment, related assignments, and student evaluation into once course. The 407 seminar is dropped and the 409 practicum is expanded by one credit per term.

**New Courses**

## E.1.c.54

- PHE 321U Introduction to Health Policy, 4 credits  
This course presents an overview of health policymaking and describes health policy at the state and federal levels. In addition to the policy process, special emphasis is placed on the role of health services and public health managers and other advocates, and the role they play in crafting policy. The course examines new developments in health policy as they are introduced during the duration of the course and follows them throughout their journey.

## E.1.c.55

- PHE 322U Health Services Administration, 4 credits  
Understanding the functions of management and administration is essential for anyone assuming administrative roles in health services delivery organizations (e.g., hospitals, clinics, and nonprofits). This course introduces the six classic management functions, and illustrates health services applications of topics such as strategic planning, risk management, working in/with teams, and changing trends in health care. Students will develop knowledge and the interdisciplinary skills needed to effectively work in administration in various types of health services organizations.

## E.1.c.56

- PHE 426 Advanced Topics in Health Services Administration, 4 credits  
This advanced course will build upon knowledge attained in previous courses in the HSMP curriculum. Content addresses advanced discussion of topics regarding systems, policy and organization in health services administration practice. Current issues/events will be emphasized. The course employs techniques that capitalize on group participation and peer-to-peer learning to stimulate sharing of diverse perspectives and increase the participants' level of engagement with historically marginalized viewpoints. Prerequisite: PHE 350.

## E.1.c.57

- PHE 427 Introduction to Health Informatics, 4 credits  
An introduction to health informatics, the field devoted to the optimal use of data, information, and knowledge to advance individual health, health care, public health, and health-related research. Students will learn the application of informatics skills and knowledge to health-related problems. Prerequisite: Upper-division standing.



**School of Social Work****Changes to Existing Programs**

## E.1.c.58

- BA/BS in Social Work – eliminates one upper-division course. This change aligns the major requirements with other undergrad degree requirements eliminating one 3-credit course and increasing three required junior-level courses to 4 credits each.

**College of Urban and Public Affairs****New Courses**

## E.1.c.59

- CCJ 325 Crime Myths, 4 credits  
Misperceptions about crime and justice are commonly fostered by the media and political leaders. This course examines research as the primary way to identify the existence of crime myths. It reviews the origins of common myths about crime and criminal justice, while focusing on the consequences of myths for society.

## E.1.c.60

- CCJ 425 Geographic Criminology, 4 credits  
The course provides a theoretical background for the geographic study of crime. Topics covered include criminological theories addressing the geographical distribution of crime, an introduction to common terminology in crime mapping, use of spatial data in crime prevention efforts, and crime mapping as it is used in criminal justice agencies. Prerequisite: Upper-division standing.

## E.1.c.61

- CCJ 430 Applied Crime Mapping, 4 credits  
The course provides technical and analytical skills for crime mapping and a basis for further geographic examination of crime data. Students use ArcGIS® software and learn to create maps conveying spatial crime data and relationships between crime and geographical features. GIS knowledge not required; basic computer literacy is required. Prerequisite: Upper-division standing.

## E.1.c.62

- CCJ 485 Offender Rehabilitation, 4 credit  
This course examines the history of the rehabilitative ideal in corrections. Students will develop an understanding of assessment and classification systems, treatment programs, as well as evidence-based theories and approaches to the treatment of offenders. Finally, this course will consider how correctional programs should be implemented, monitored, and evaluated. Prerequisite: sophomore standing or completion of CCJ 200 or CCJ 300.

## E.1.c.63

- \*USP 439 Workforce Development, 4 credits  
Introduction to policies and practices for workforce development. Topics discussed include labor market dynamics, failures and inequities; tools and methods for urban labor market analysis; and workforce development policies for skill investment, job matching and career development toward goals of household, business, community and regional economic development. Prerequisite: Upper-division standing.

\* This course is part of a dual-level (400/500) course. For any revisions associated with the 500-level section please refer to the Grad Council consent agenda memo.