

8 April 2021

TO: Faculty Senate

FROM: Paul Loikith, Chair, Graduate Council

RE: May 2021 Consent Agenda

The following proposals have been approved by the Graduate Council and are recommended for approval by the Faculty Senate.

You may read the full text for any proposal, as well as Faculty Budget Committee comments on new and change-to-existing program proposals, at the [Online Curriculum Management System \(OCMS\) Dashboard](#).

### **Maseeh College of Engineering and Computer Science**

#### **New Course**

##### E.1.a.1

- \*ME 577 Introduction to Semiconductor Manufacturing, 4 credits  
Introduction to semiconductor manufacturing technologies and its engineering field. Technologies studied include silicon wafer manufacturing, thermal processes, photolithography, ion implantation, etch, dielectric thin films, metallization, chemical mechanical polishing, assembly, sorting, and testing. Topics cover industry overview, technology trends and common engineering practices. The topics chosen are aligned with real fabrication facilities and are suitable for engineering and science students who want to be process, manufacturing, or equipment engineers in the semiconductor industry.

### **College of Liberal Arts and Sciences**

#### **New Courses**

##### E.1.a.2

- \*Bi 547 Scientific Teaching, 4 credits  
Designed for upper-division science majors and graduate students interested in learning about best practices in teaching and learning science. In this interactive course students will gain experience in curriculum design and delivery as well as engage with education research literature. Prerequisite: Graduate-level standing.

##### E.1.a.3

- \*Comm 516 Communicating Environmental Controversies, 4 credits  
With a special emphasis on environmental extremes and controversies, this course explores how everyday communication shapes the way we think about, talk about, and relate to the natural world. The class covers the latest theoretical and practical approaches to environmental communication, the makeup of environmental controversies, and the different factors that shape public opinion on those controversies

within the United States. The goal of this course is to support students in becoming sophisticated consumers and producers of environmental communication. Expected prep: Comm 300, Comm 311.

#### E.1.a.4

- \*GRN 522 Critical Perspectives on Quantitative Analysis, 4 credits  
Uses critical Indigenous, decolonizing, feminist and anti-racist lenses to evaluate quantitative research applications, including development of research questions; study designs; appropriate use of statistical and other quantitative methods; audience and dissemination of quantitative findings. Interdisciplinary and intersectional focus and applications. Note: Not a methods course; does not teach statistical or quantitative methods. Prerequisite: Familiarity and experience with basic statistical and quantitative data and methods.

#### E.1.a.5

- Soc 619 Sociology of Mental Health & Mental Illness, 4 credits  
The sociological study of mental health and illness is uniquely different from the orientations of other disciplines in that it focuses on (1) identifying the social conditions that affect psychological well-being and (2) describing the processes linking the social conditions to their psychological effects. The dual aims of this course are to provide both the theoretical foundations necessary for the study of societal effects on individuals' well-being and a familiarity with relevant sociological research on mental health and mental illness. Prerequisite: Graduate student status or permission of the instructor.

#### E.1.a.6

- \*WS 522 Critical Perspectives on Quantitative Analysis, 4 credits  
Uses critical Indigenous, decolonizing, feminist and anti-racist lenses to evaluate quantitative research applications, including development of research questions; study designs; appropriate use of statistical and other quantitative methods; audience and dissemination of quantitative findings. Interdisciplinary and intersectional focus and applications. Note: Not a methods course; does not teach statistical or quantitative methods. Prerequisite: Familiarity and experience with basic statistical and quantitative data and methods.

### **Changes to Existing Courses**

#### E.1.a.7

- \*Anth 512 Research Methods in Social and Cultural Anthropology, 4 credits – change title to Ethnographic Methods and change description

#### E.1.a.8

- \*Anth 514 Culture and Ecology, 4 credits – change description

## E.1.a.9

- \*Anth 516 Urban Anthropology, 4 credits – change description

## E.1.a.10

- \*Anth 517 Advanced Topics in Native American Studies, 4 credits – change description

## E.1.a.11

- \*Anth 518 Environmental Anthropology, 4 credits – change description

## E.1.a.12

- \*Anth 522 Contemporary American Indian Policy, 4 credits – change title to Tribal Sovereignty and Policy and change description

## E.1.a.13

- \*Anth 525 Perspectives in Medical Anthropology, 4 credits – change title to Topics in Medical Anthropology, change description and repeatability

## E.1.a.14

- \*Anth 526 Transnationalism and Migration, 4 credits – change description

## E.1.a.15

- \*Anth 528 Political Anthropology, 4 credits – change description

## E.1.a.16

- \*Anth 530 Myth, Ritual, and Symbol, 4 credits – change description

## E.1.a.17

- \*Anth 532 Gender in Cross-Cultural Perspective, 4 credits – change title to Gender, Sex, and Sexuality in Anthropological Perspectives and change description

## E.1.a.18

- \*Anth 535 Visual Anthropology, 4 credits – change description

## E.1.a.19

- \*Anth 547 Advanced Topics in South Asian Anthropology, 4 credits – change title to Advanced Topics in Asian Anthropology and change description

## E.1.a.20

- \*Anth 552 Archaeological Lab Methods, 4 credits – change description

## E.1.a.21

- \*Anth 553 Archaeological Field Methods, 4 credits – change description

## E.1.a.22

- \*Anth 554 Archaeological Field School, 6 credits – change description

## E.1.a.23

- \*Anth 556 Issues in Cultural Resource Management, 4 credits – change title to Cultural and Heritage Resource Management and change description

## E.1.a.24

- \*Anth 557 Hunter-Gatherers, 4 credits – change title to The Archaeology of Hunter-Gatherers

## E.1.a.25

- \*Anth 558 Past Human-Environment Interactions, 4 credits – change title to The Archaeology of Disaster and change description

## E.1.a.26

- \*Anth 560 Public Archaeology, 4 credits – change title to Public and Community Archaeology and change description

## E.1.a.27

- \*Anth 571 Advanced Topics in Paleoanthropology, 4 credits – change description

## E.1.a.28

- \*Anth 572 Human Evolution and Adaptation, 4 credits – change title to The Roots of Human Biology and change description

## E.1.a.29

- \*Anth 577 Primatology Field Methods, 4 credits – change description and prerequisites

## E.1.a.30

- \*Anth 578 Human Osteology, 4 credits – change description

## E.1.a.31

- \*Anth 579 Forensic Anthropology, 2 credits – change description

## E.1.a.32

- \*Anth 590 The Anthropology of Violence, 4 credits – change description

## E.1.a.33

- \*Mth 528 Partial Differential Equations II, 3 credits – change grading option

## E.1.a.34

- SpHr 530 Clinical Management in Communication Disorders, 4 credits – change title to Evidence-based Practices in Communication Disorders and change description

## E.1.a.35

- \*Stat 551 Applied Statistics for Engineers and Scientists I, 4 credits – change grading option

E.1.a.36

- \*Stat 552 Applied Statistics for Engineers and Scientists II, 3 credits – change grading option

E.1.a.37

- Stat 572 Bayesian Statistics, 3 credits – change prerequisites