



University of Tennessee, Knoxville
**TRACE: Tennessee Research and Creative
Exchange**

Curriculum Committee Reports

Graduate Council

10-15-2020

Curriculum Committee Report - October 15, 2020

Graduate Council

Follow this and additional works at: https://trace.tennessee.edu/utk_gccurriculum

Recommended Citation

Graduate Council, "Curriculum Committee Report - October 15, 2020" (2020). *Curriculum Committee Reports*.

https://trace.tennessee.edu/utk_gccurriculum/61

This Report is brought to you for free and open access by the Graduate Council at TRACE: Tennessee Research and Creative Exchange. It has been accepted for inclusion in Curriculum Committee Reports by an authorized administrator of TRACE: Tennessee Research and Creative Exchange. For more information, please contact trace@utk.edu.

Graduate Curriculum Committee Meeting Report
Zoom Meeting
Thursday, October 15, 2020

Members present: Laurie Meschke (Chair), Khalid Alshibli, Paul Dittmann, Lisa King, Nathan Preuss, Avigail Sachs, Martina Ward, Feng-Yuan Zhang, Shahram Hesari (GSS Vice-President)

Also in attendance: Sara Bradberry, Amy Broemmel (Graduate Council Chair), David Cihak (College of Education, Health, and Human Sciences), Heather Hartman (SACS Accreditation), Dixie Thompson (Dean of the Graduate School), Catherine Cox (Graduate Curriculum Coordinator)

Laurie Meschke called the Zoom meeting to order at 3:30 p.m.

As this was our first meeting of this academic year, Meschke asked each member to introduce themselves and share what department they are from.

The only item on our Agenda is the Courses Not Taught in Four or More Years Report.

There are 32 courses listed on the report. From the 32 courses listed:

- 8 courses: were marked to DROP (tan shading). **Curriculum Committee voted to drop those courses.**
- 13 courses: (green shading) listed on the report for the first time and justifications were given to retain the courses. **Curriculum Committee voted to retain those courses.**
- 8 courses: (yellow shading) listed on the report for two consecutive years and justifications were given to retain the courses. **Curriculum Committee voted to retain those courses.**
- 3 courses: (no shading) listed on the report for three or more consecutive years. Justification was given to retain.
However, because the three courses with no shading have appeared on the Report for 3 or more times, the Curriculum Committee will review and discuss each course.
 - BME 631 (Primary Course): Course is listed in Spring 2021 Timetable with CRN. **Curriculum Committee voted to retain course as department shows intent on course being taught.**
 - ME 631 (Secondary Course): Course is listed in Spring 2021 Timetable with CRN. **Curriculum Committee voted to retain course as department shows intent on course being taught.**
 - MSE 516: Course is not listed in spring 2021 Timetable. As course was not listed in spring 2021 Timetable, **Curriculum Committee voted to DROP course.**

However, if the department shows intent on teaching course (builds a section in the spring 2021 Timetable OR if the department communicates course will be taught summer 2021 or fall 2021, then the Curriculum Committee will change vote to retain course MSE 516. Department will be notified of outcome.

10-15-20: Email sent to the Department of Materials Science and Engineering to communicate discussion and outcome of course MSE 516 listed on the 4 or More Report. Email reported the Curriculum Committee voted to DROP MSE 516, with the understanding that if MSE shows intent on teaching 516 in the spring, summer or fall 2021, that Curriculum Committee would reverse their decision and retain course MSE 516.

10-19-20: **Email reply from MSE confirmed to DROP course MSE 516.**

With the above action from the Graduate Curriculum Committee, the report now stands as follows:

32 courses listed on the Courses Not Taught in 4 or More Years Report

- 9 courses marked to be dropped.
- 23 courses marked to be retained.

All items were approved as reported above and are recommended to Graduate Council for approval.

The meeting adjourned at 4:05 p.m.

Respectfully submitted,

Catherine Cox
Graduate Curriculum Coordinator

**Graduate Courses Not Taught in Four or More Years
TO BE DROPPED FALL 2021**

Note: If courses are cross-listed and the primary course is dropped, the secondary course(s) will also be dropped.

ACADEMIC DISCIPLINE	COURSE NUMBER AND TITLE	CROSS-LISTED COURSE	DROP EFFECTIVE FALL 2021		IF NO, DO NOT DROP COURSE WAS CHECKED IN PREVIOUS COLUMN, GIVE JUSTIFICATION FOR RETAINING	ON PREVIOUS LISTS	PRIOR RATIONALE(S)
			YES	NO			
HERBERT COLLEGE OF AGRICULTURE							
Environmental and Soil Sciences (ESS)	524 Environmental Stormwater Management		X				
Forestry, Wildlife and Fisheries (FWF)	535 Environmental Impacts to Natural Ecosystems		X				
Wildlife and Fisheries Science (WFS)	545 Advanced Population Analysis			X	Will be taught this year or next depending on student interest. The course is typically taught every other year but was not taught last cycle due to government shutdown.		
COLLEGE OF ARTS AND SCIENCES							
Anthropology (ANTH)	586 Anthropological Genetics			X	Anticipate course to be taught again in Fall 2022 to accommodate the needs of a new graduate cohort of anthropological geneticists under the advisership of the course instructor, Dr. Cabana.	2019	Course is anticipated to be taught again within the next few years by Dr. Cabana. Please retain this course for 2020.
Ecology and Evolutionary Biology (EEB)	582 Mathematical Biology II	Secondary course. Primary course is: MATH 582 (MATH has 18 enrolled)		X	The course should be retained because it is cross-listed with Math 582, which many students in EEB have frequently and recently taken.		
French (FREN)	570 French and Francophone Literature and Culture I			X	French 570 has not been offered in more than 4 years due to lack of staffing. It will be taught during the 2021-22 academic year.		
Geography (GEOG)	510 Geographic Software Design			X	We just filled the faculty line in charge of instructing this class. We should be able to offer it every 2 years or so. We plan to offer it in Spring 2021.		

ACADEMIC DISCIPLINE	COURSE NUMBER AND TITLE	CROSS-LISTED COURSE	DROP EFFECTIVE FALL 2021		IF NO, DO NOT DROP COURSE WAS CHECKED IN PREVIOUS COLUMN, GIVE JUSTIFICATION FOR RETAINING	ON PREVIOUS LISTS	PRIOR RATIONALE(S)
			YES	NO			
German (GERM)	553 Classicisms: Literature, Criticism, & the German Canon around 1800			X	This course is scheduled to be taught in spring 2021.	2019	Course is central to our graduate curriculum. The faculty member who teaches the course has had admin duties. We plan to offer the course again in the near future.
Mathematics (MATH)	522 Enumerative Combinatorics II			X	2nd semester of sequence used to satisfy PhD requirements. Sequence is on a 2-year rotation: 521 ran F2019, 521-522 will run in 2021-22.		
HASLAM COLLEGE OF BUSINESS							
Business Analytics (BZAN)	610 Probability and Stochastic Processes	Primary course. Secondary course is: STAT 610		X	We are redesigning our PhD program, which has not admitted a student in the last 2 years. The new design is planned for launch in fall 2021, when we plan to welcome an incoming class of new PhD students. My current plan is that this course will be offered in fall 2021, although I will probably be requesting some updates to the name and/or description of the course once our program redesign is finalized.		
COLLEGE OF COMMUNICATION AND INFORMATION							
Information Sciences (INSC)	548 Federal Libraries and Information Centers			X	SIS faculty voted to retain this course and refocus it on guest lectures rather than in-person visits to DC libraries. We place many graduates in federal libraries, so it is an important course to retain. The previous instructor of this course retired and a new instructor will be assigned AY2020-2022.	2019	SIS faculty will discuss the future of this course during this academic year. Course has not been offered in a number of years due to past low enrollment. Course will be re-evaluated in the context of new program pathways and foci.

ACADEMIC DISCIPLINE	COURSE NUMBER AND TITLE	CROSS-LISTED COURSE	DROP EFFECTIVE FALL 2021		IF NO, DO NOT DROP COURSE WAS CHECKED IN PREVIOUS COLUMN, GIVE JUSTIFICATION FOR RETAINING	ON PREVIOUS LISTS	PRIOR RATIONALE(S)
			YES	NO			
Information Sciences (INSC)	575 Valuing Diversity: International and Intercultural Resources for Youth			X	IS faculty are reconfiguring the content of 575 and will submit a title & description revision later this fall. Revising course content will make it more responsive to student needs. If the revision request is approved, we plan to offer the course AY 2021-2022.		
COLLEGE OF EDUCATION, HEALTH, AND HUMAN SCIENCES							
Counselor Education (COUN)	566 Theories of Family Therapy			X	While we have not had the labor time to teach 566, we do have student demand for it. Therefore, I would like to keep it in hopes of creating the capacity to teach it in the near future.	2019	While we have not had the labor time to teach 566, we do have student demand for it. Therefore, I would like to keep it in hopes of creating the capacity to teach it in the near future.
Instructional Technology (IT)	575 The Internet: Implications for Teaching and Learning			X	We have two faculty positions unfilled in this subject area. Therefore, there is great uncertainty in program directions and the curriculum may shift as new faculty are hired. Thus, I would like us to keep this course for at least another year, until curricular adjustments settle out.	2019	We have two faculty positions unfilled in this subject area. Therefore, there is great uncertainty in program directions and the curriculum may shift as new faculty are hired. Thus, I would like us to keep this course for at least another year, until curricular adjustments settle out.
Kinesiology (KNS)	569 Clinical Exercise Physiology			X	We are currently undergoing a review of our graduate curriculum and have an academic program review scheduled in Spring 2021. Thus, I would like to keep this course for another year before making a decision to retain or drop it.		
Public Health (PUBH)	634 Physical Activity and Positive Health	Secondary course. Primary course is: KNS 635 (KNS has 15 enrolled)		X			
TICKLE COLLEGE OF ENGINEERING							
Aerospace Engineering (AE)	522 Aerodynamics of Compressible Fluids			X	Our AE faculty is currently considering restructuring this course to better meet the needs of our students. Please do not drop.		

ACADEMIC DISCIPLINE	COURSE NUMBER AND TITLE	CROSS-LISTED COURSE	DROP EFFECTIVE FALL 2021		IF NO, DO NOT DROP COURSE WAS CHECKED IN PREVIOUS COLUMN, GIVE JUSTIFICATION FOR RETAINING	ON PREVIOUS LISTS	PRIOR RATIONALE(S)
			YES	NO			
Aerospace Engineering (AE)	681 Advanced Viscous Flow Theory			X	One of our Assistant Professors (Dr. Coder) will teach this class as a follow-on to one of his 500 level class. Please do not drop.		
Biomedical Engineering (BME)	631 Advanced Biomechanics II	<p>Primary course</p> <p>Secondary course is: ME 631</p> <p>Neither the primary nor the secondary have enrollment for spring 2021. Last year secondary had enrollment</p>		X	<p>The course is being offered for Spring 2021 and will be taught by Dr. Michael LaCour. We expect 5-6 enrollments.</p> <p>Sections in Sp 21 Timetable w/CRN 26448</p> <p>Curriculum Committee voted to RETAIN course as course is listed in Timetable for Sp 21</p>	2019	Dr. Komistek normally teaches 631 every 3 years. The previous time he taught it, it was inadvertently offered as a Special Topics course. It will be offered in Spring 2021.
Chemical and Biomolecular Engineering (CBE)	631 Statistical Mechanics			X	Course was intended to be offered Fall 2020, but the instructor was not available. We have ~5-10 PhD students that need this material for their dissertation research at any given time, and we intend to offer 631 Fall 2021 and plan for a 2-3 year cycle thereafter.	2019	We have ~5-10 PhD students that need this material for their dissertation research at any given time. We will offer 631 Fall 20 and plan for a 2-3 year cycle thereafter.
Computer Science (COSC)	557 Visualization			X	This course will become an elective course for students interested in machine learning and data science. In the past, due to faculty shortage and enrollment, we were not able to offer it regularly. We have since rallied collaborators from ORNL and will advertise in the department to improve the enrollment.		
Electrical and Computer Engineering (ECE)	506 Real-time Digital Signal Processing			X	This course is an essential component of any ECE program, but we have not had sufficient instructors to offer it in recent years. With recent hires in this area, we intend to offer it in the next one or two years.	2019	This is an important course for EE and CPE students with concentration in real-time systems. The previous instructor has not been able to teach it due to other teaching commitments. Recent faculty hires in CPE and EE will allow us to offer the course again in the near future.

ACADEMIC DISCIPLINE	COURSE NUMBER AND TITLE	CROSS-LISTED COURSE	DROP EFFECTIVE FALL 2021		IF NO, DO NOT DROP COURSE WAS CHECKED IN PREVIOUS COLUMN, GIVE JUSTIFICATION FOR RETAINING	ON PREVIOUS LISTS	PRIOR RATIONALE(S)
			YES	NO			
Environmental Engineering (ENVE)	562 Three Dimensional Climate Modeling			X	This course remains strategically important to support potential system-level partnership with NOAA. If we cannot identify an adjunct, we will teach it internally.	2019	This course is strategically important to support system-level partnership with NOAA. We are attempting to identify an adjunct to teach it in a forthcoming semester, aiming for Fall 2020.
Environmental Engineering (ENVE)	671 Advanced Concepts of Air Pollution Engineering			X	This course is strategically important to our air quality program in Environmental Engineering and potential system-level partnership with NOAA. Course offering cycle has been delayed by Dr. Fu's 2019 Faculty Development Leave.		
Mechanical Engineering (ME)	631 Advanced Biomechanics II	Secondary course Primary course is: BME 631 Neither the primary nor the secondary have enrollment for spring 2021. Last year primary had enrollment.		X	The course is being offered for Spring 2021 and will be taught by Dr. Michael LaCour. We expect 5-6 enrollments. Sections in Sp 21 Timetable w/CRN 27016 Curriculum Committee voted to RETAIN course as course is listed in Timetable for Sp 21	2019 2018 2017 2016	Dr. Komistek normally teaches this course every 3 years. The previous time he taught it, it was inadvertently offered as a Special Topics course. It will be offered in Spring 2021. Our faculty taught this course 2 years ago. However, due to some mistake it was offered as a Special Topics course instead. We continue to teach it regularly. This course is regularly taught but was inadvertently offered as a special topics course in the past two years. We would like to continue to teach it and keep it in the catalog. The BME version of the course is taught regularly and we would like to continue to cross-list the ME version for ME PhD students.

ACADEMIC DISCIPLINE	COURSE NUMBER AND TITLE	CROSS-LISTED COURSE	DROP EFFECTIVE FALL 2021		IF NO, DO NOT DROP COURSE WAS CHECKED IN PREVIOUS COLUMN, GIVE JUSTIFICATION FOR RETAINING	ON PREVIOUS LISTS	PRIOR RATIONALE(S)
			YES	NO			
Mechanical Engineering (ME)	686 Human-Robot Systems			X	The course will be offered in Spring 2021 by Prof. Hamel.		
Materials Science and Engineering (MSE)	501 Introduction to Materials Research		X				
Materials Science and Engineering (MSE)	516 Fundamentals of Plastic Deformation		X	X	<p>We have a new Governor's Chair (Easo George) and a new junior faculty (Eric Lass) and plan to fill a new position in structural materials, thus with new emphasis would like to keep this course. Additional hire is Orlando Rios, who may also have students interested in 516. Course is planned to be taught in Spring 2021.</p> <p>No sections were built in Timetable for Spring 2021.</p> <p>Curriculum Committee voted to DROP course as it is not listed in Timetable for Sp. But, if Dept creates Sp section or if Dept communicates course will be offered Su or Fall then course may be retained. Department will be notified of decision.</p> <p>10-15-21 Email sent to dept to communicate Curriculum Committee decision.</p> <p>10-19-21, Email reply from department noted to DROP the course.</p>	2019 2018	<p>We have a new Governor's Chair (Easo George) and a new junior faculty (Eric Lass) and plan to fill a new position in structural materials, thus with new emphasis would like to keep this course.</p> <p>Course is planned to be taught in Spring 2020.</p>
Materials Science and Engineering (MSE)	639 Polymer Engineering II		X				

ACADEMIC DISCIPLINE	COURSE NUMBER AND TITLE	CROSS-LISTED COURSE	DROP EFFECTIVE FALL 2021		IF NO, DO NOT DROP COURSE WAS CHECKED IN PREVIOUS COLUMN, GIVE JUSTIFICATION FOR RETAINING	ON PREVIOUS LISTS	PRIOR RATIONALE(S)
			YES	NO			
Materials Science and Engineering (MSE)	652 High Performance Fibers		X				
Nuclear Engineering (NE)	653 Theory of Information Processing		X				
INTERCOLLEGIATE							
Comparative and Experimental Medicine (CEM)	607 Diagnosis and Pathogenesis of Virus Diseases of Domestic Animals		X				

Shading significance:

TAN = courses department chose to DROP. Committee will note to DROP those courses.

GREEN = on the report for the first time and gave justification for retaining. Committee will vote to retain/keep courses.

YELLOW = on the report for a second time and gave justification for retaining. Committee will vote to retain courses.

NO SHADING: on the report 3 or more times, gave justification to retain. Committee will review separately to determine if rationale is justified or if Curriculum Committee should vote to DROP the course.

Originally on the report:

- 32 courses on the report
- 8 courses marked to DROP
- 24 courses marked to RETAIN

From the October 15 Curriculum Committee meeting, the Committee voted and approved to drop course MSE 516 (which was marked to retain), the report now shows the following:

- 32 courses on the report
- 9 courses marked to DROP
- 23 courses marked to RETAIN

NOTE: 400-level undergraduate courses (approved for graduate credit) listed on the Undergraduate Courses Not Taught in 4 or More Years List to be dropped will also be dropped from the Graduate Catalog.