Faculty Senate Undergraduate Curriculum Committee Report to Faculty Senate
April 12, 2016

Course Modifications Approved by the Faculty Senate Undergraduate Curriculum Committee			
College	**Course Impacted**	**Change**	**Rationale**
Engineering	ENGT 1050 Computers for Engineering Technology	From ENGT 1050 to MET 1050	Only MET majors take ENGT 1050. Other programs now have their own version.
Languages, Literature and Social Sciences	REL 4940 Religious Studies Internship	From Variable credit 1-4 to variable Credit 1-6	Permit student more extended time in the field.
Natural Sciences and Mathematics	PHYS 4310 Quantum Mechanics	Remove PHYS 3320 as a prerequisite and replace it with PHYS 3310	For all our degree programs we have eliminated the requirement for PHYS 3320. The necessary topics will now be covered in PHYS 3310, so the current prerequisite of PHYS 3320 should be replaced by PHYS 3310.

New Course Proposals Approved by Faculty Senate Undergraduate Curriculum Committee		
College	**Course**	**Description & Rationale**
Communication and the Arts	ART 1040 FUNDAMENTALS OF ART STUDIO TECHNOLOGY	This course introduces art students to the wide range of tools and technologies available in the Department of Art. Students will make connections between different modes of thinking and making. Students will acquire the skills necessary to enter a workforce that requires an understanding of the tools, techniques, and collaborative process necessary to respond to a rapidly changing global economy and job market. This is a web-assisted course. Rationale: This is a skills-based course that offers

		students in the Fundamentals block, specific learning opportunities that will give incoming students a comprehensive understanding of the tools available in the Department of Art. It is important for students to have the ability to start thinking cross-disciplinarily and conceptually from the very beginning of their careers at UT. This will support our program, allowing our students to make connections between different modes of thinking and making. The course will create skilled graduates who are more able to enter a workforce that requires an understanding of the tools, techniques, and collaborative process necessary to respond to a rapidly changing global economy and job market. A student will be far more prepared to undertake serious study in all subsequent art courses, as they will have the ability to analyze, interpret, evaluate, and integrate their knowledge of technology they may encounter.
Communication and the Arts	ARTH 2550 History of Graphic Design	History of Graphic Design introduces students to the history and theory of graphic design from the Roman codex to the modern poster. Topics examined include: how imagery interacts with text aesthetically and visually, the logic and development of typefaces, and the relationship and importance of graphic design to social and political developments throughout history. This three-credit course addresses graphic design from Western cultures and dynamic eras. ARTH 2550 partially fulfills the curricular requirements in Humanities and Fine Arts and is an elective within the Department of Art. Rationale: This course fulfills a need for students in both Studio and Art History programs. There is currently no other course that addresses this topic which the department feels is critical for our students. This course will help to ensure the deepest understanding of our visual culture.

Languages, Literature and Social Sciences	HIST 3120 Women in Medieval Europe	Women's lives in medieval Europe from a range of perspectives, including noblewomen, townswomen, peasant women, religious women. Students will gain an appreciation of how medieval women's lives were different from and similar to those of modern women, as well as a broader understanding of the European middle ages Rationale: This course would be a good partner to some of our existing courses on American Women's history.
Languages, Literature and Social Sciences	REL 3000 Religious Studies Proseminar	This course enhances students' professional development in fields related to religious studies. Rationale: There is a strong call for this course by REL students many of whom are seeking career direction, and by REL faculty and administrators since it will allow us to provide that direction in a systemic, organized and communal way and simultaneously create an opportunity for an exit survey.
Languages, Literature and Social Sciences	REL 4630	This seminar is a sustained exploration of whether religion is related to the occurrence of violence, peace or community-building, and if so, when and how. Rationale: Student demand (17 in Fall 2012; capped at 21 but let in 23 in Spring 2015). Cornerstone of new interreligious studies concentration (see REL major modification).
Social Justice and Human Service	CRIM 4490 Criminal Forensic and Trail Practice	This cross-listed capstone course will allow students to step out of the traditional classroom setting and participate in an applied skills course that will benefit them in the real world of Criminal Justice. Students will be presented with a case and will be responsible for the various stages of the investigative process as well as the trial process.
Social Justice and Human Service	LGL 4490 Criminal Forensics and Trial Practice	This course allows students to step out of the traditional classroom setting and practice hands-on skills. Students

		will be assigned as crime scene investigators, paralegals and attorneys and will be responsible for investigating a homicide, indicting a suspect and conducting a trial. Part I of the class involves investigative techniques for the homicide investigative process. Part II of the class exposes students to each step of the trial in a hands-on fashion. It is believed that this collaboration is unique and that there is no other class like this one in the country.
Natural Sciences and Mathematics	ASTR 3880 Foundations of Astronomy	Positional Astronomy and Time; Telescopes and Optics; Detection and Characterization of Light (Imaging, Photometry and Spectroscopy); Data Reduction and Measurements; Fundamental Techniques of Astronomy (Parallax, Magnitudes, Interstellar Extinction, Doppler Shift and Spectral Line Widths, Stellar Classification, Color-Magnitude and Color-Color Diagrams, Lightcurves, and Redshifts); Measuring Properties of Stars, Star Clusters, Galaxies, and the Universe. Rationale: We find that our Astronomy and Astrophysics majors are under-prepared for their 4000-level astrophysics courses. The solution is to develop a required course, to be taken sophomore year, that provides the necessary foundation in astronomy and its fundamental techniques. At the same time we are modifying our curriculum to require a research component for all our BS majors. The laboratory portion of this course will give the students the skills needed to begin their research experience.
Natural Sciences and Mathematics	PHYS 4920 Senior Capstone Project	Required senior capstone project for all physics and astronomy majors. The topics may involve physics/astronomy research, physics/astronomy education, research in a related field with an emphasis on physics/astronomy, internships with companies or other institutions with an emphasis on physics/

		astronomy. Students should register for this course in the closest spring semester prior to graduation. Rationale: As part of our curriculum revision, we are requiring a research experience for all of our BS majors along with a senior capstone project for both BS and BA majors. This new capstone course is designed to guide the students through the requirements for the capstone project, which culminates in an oral presentation at our spring undergraduate research symposium along with a formal written paper on the project. This course is intended to provide a flexible vehicle for students to be able to choose a project that is meaningful for their particular program of study.
Natural Sciences and Mathematics	PHYS 4950 Undergraduate Professional Development Seminar	Selected topics on professional development as it applies to junior / senior level physics or astronomy major undergraduates. Specific emphasis will be on topics relevant to near-term professional goals of students (graduate school applications, job interviews, career pathways, CV/resume, professional presentation skills, and ethical research). Rationale: To better prepare our students for their future careers, we wish to offer a one-hour professional development seminar. The emphasis of this course will be on topics relevant to the near-term professional goals of our students (graduate school applications, job interviews, career pathways, CV/resume preparation, professional presentation skills and ethical research).

Amnesty Project Courses Approved by Faculty Senate Undergraduate Curriculum Committee	
Engineering	All proposed changes for undergraduate courses
Nursing	All proposed changes for undergraduate courses
Pharmacy	All proposed changes for undergraduate courses