The Undergraduate Curriculum Committee recommends approval of the following:

1. New Courses

   ASTR 320. Astrophysical Research Methods. (2-0). Credit 2. Background and tools used by astronomical researchers in performing analyses; topics include reduction of photometric and spectroscopic data, bivariate and multivariate statistical methods and chi-squared minimization. Prerequisites: MATH 171 and MATH 172.

   ASTR 401. Stars and Extrasolar Planets. (3-0). Credit 3. How stars are born, how internal structure changes, nuclear fuel burned and ultimate fate; extrasolar planets: detection, formation, properties and habitability. Prerequisite: ASTR 314.

   ASTR 403. Extragalactic Astronomy and Cosmology. (3-0). Credit 3. Physical makeup of individual galaxies and large scale structure in the universe; origin and eventual fate of the universe; interpretation of observational data as it relates to baryonic matter, Dark Matter and cosmological models with Dark Energy. Prerequisite: ASTR 314.

   COSC 284. Introduction to Applied Workplace Ethics, Etiquette and Communications. (3-0). Credit 3. For students in an experiential learning environment; required reading assignments on topics concerning workplace ethics, etiquette and communications; apply and discuss reflective writing assignments in order to prepare to meet the professional expectations of employers upon graduation. Prerequisite: Engaged in an internship, co-op or other experiential learning opportunity working a minimum of 20 hours per week.

2. Change in Courses

   SCSC 301. Soil Science.

   Course description and prerequisites
   From: An introduction to the nature and properties of soils. Application of science and technology to the use of this natural resource and the roles in the environment. Prerequisite: CHEM 101 or equivalent.
   To: Evaluation of the nature and properties of soils; explanation of the various soils, their components and roles in the environment using the scientific methods and technology. Prerequisite: Junior or senior classification, or approval of instructor.

   SCSC 405. Soil and Water Microbiology.

   Course prerequisites
From: SCSC 301, junior or senior classification, or approval of instructor.
To: Junior or senior classification, or approval of instructor.

SPMT 304. Psychology of Sport and Physical Activity.

Course title
From: Psychology of Sport and Physical Activity.
To: Sport Psychology Management and Practice.

Course description
From: The relationship of psychology to sport; topics include history, application of learning principles, social psychology, personality variables, psychological assessment, youth sport, women in sport, the psychology of coaching, sports law and ethics.
To: The relationship of psychology to sport and exercise; topics include history, application of learning principles, social psychology, personality variables, psychological assessment, youth sport, and diversity issues in sport and exercise.

Cross-listing
From: PSYC 304.
To: None.
3. Change in Curriculum

College of Agriculture and Life Sciences
Department of Poultry Science
B.S. in Poultry Science
Industry Emphasis
4. Change in Curriculum

College of Agriculture and Life Sciences
Department of Poultry Science
B.S. in Poultry Science
    Technical Emphasis
5. Texas A&M University at Galveston

   a. New Course

   MAST 441. Maritime Piracy. (3-0). Credit 3. Research of social, economic, political and cultural aspects of piracy from ancient to modern times; presentation of findings; understanding modern perception of pirates through modern art, literature and movies. Prerequisites: Junior or senior classification and approval of instructor.
6. Special Consideration

Dwight Look College of Engineering
Department of Industrial and Systems Engineering
Data Center Operations Engineering Certificate
Request for a new certificate program
7. Special Consideration

College of Science
Department of Physics and Astronomy
Minor in Astrophysics
Request for a new minor