Approved requests for new graduate courses as follows:

**AGEC 617.** E-Commerce: Auctions, Contracts and Exchanges. (3-0). Credit 3. Course covers design and implementation of contract mechanisms, auctions, and internet exchanges for business-to-business transactions. Tools for dealing with these issues will be developed as well as an understanding of what issues are critical to the successful implementation of virtual vertical integrations. Prerequisite(s): G7 or Instructor’s Approval. Cross-listed with INFO 617.

**BIOL 651.** Bioinformatics. (3-3). Credit 4. Introduction to applications related to information processing in biological research with practical training exercises. Topics include: internet databases, sequence alignment, motif prediction, gene and promoter prediction, phylogenetic analysis, protein structure classification, analysis and prediction, genome annotation, assembly and comparative analysis, and proteomics analysis. Prerequisite(s): Graduate classification or approval of instructor.

**EDAD 606.** Instructional Leadership Development Training. (3-0). Credit 3. Using an interactive format and data from a simulated Texas school, students will become adept in basic tenets and requirements of the principalship: 1) data-driven decision-making; 2) curriculum, instruction, and assessment; 3) supervision; 4) professional development; 5) organizational management; and 6) community partnerships and communication. Prerequisite(s): Graduate classification.

**EDTC 655.** Instructional Design II. (3-0). Credit 3. Preparation for leadership in instructional design through exploration of project management, needs assessment, goal analyses, rapid prototyping, problem-based learning, case-based learning, design of learning objects, ID for international audiences, instructional materials and program evaluation; theories that contribute to the field. Prerequisite(s): Graduate classification; approval of department head; EDTC 654.

**ELEN 640.** Introduction to Quantum Computing. (3-0). Credit 3. Introduces the quantum mechanics, quantum gates, quantum circuits and quantum hardware of potential quantum computers. Briefly describes the algorithms, potential uses, complexity classes, and evaluation of coherence of these devices. Prerequisite(s): MATH 304, PHYS 208. Cross-listed with PHTS 640.

**ENGL 628.** Literary Journal Editing. (3-0). Credit 3. Process of preparing texts for publishing in a literary magazine or electronic literary journal; issues such as conceiving a thematic issue, manuscript call and selection, editing, proofing, design, production, marketing and distribution. Prerequisite(s): ENGL 622 or approval of instructor.

**ENGL 629.** Creative Nonfiction. (3-0). Credit 3. Writing creative nonfiction, plus study and discussion of selected topics related to the varieties of creative nonfiction; may include research or other approaches. Prerequisite(s): ENGL 622 or approval of instructor.

**ENGL 653.** Seminar in Twentieth-Century and Contemporary Literature. (3-0). Credit 3. Selected topics in twentieth-century and contemporary literature in English; may focus on cultural and theoretical contexts: may be repeated as content varies. Prerequisite(s): Graduate course in the area or approval of instructor.

**ENGL 659.** Studies in Film. (3-0). Credit 3. Film theory, history, national cinemas, genres, movements, styles, specific directors, or film’s relationships with other media; may be taken up to three times. Prerequisite(s): Graduate standing of permission of instructor.
ENGL 663. African American Literature. (3-0). Credit 3. The African American literary tradition from its inception to the present, historical and cultural contexts; questions of representation and the politics of dialect, home and migration, tradition and innovation, nation and diaspora. Prerequisite(s): Graduate standing or approval of instructor.

ENGL 668. Literature of the African Diaspora. (3-0). Credit 3. Literature by people of African descent in the Americas and/or Europe; may focus on literary movements and periods, genre studies, women writers, migration, regionalism, forms of subjection, and issues of gender, race, class and sexuality. Prerequisite(s): ENGL 663 or approval of instructor.

ENGL 669. Seminar in African American Literature and Cultural Studies. (3-0). Credit 3. Critique of the production of literary and cultural texts, the presence of critical theory, or the profession of African American literary and cultural studies; may be taken three times for credit. Prerequisite(s): ENGL 663, 668, or approval of the instructor.

ENGL 678. Seminar in the Novel. (3-0). Credit 3. Advanced study in the novel in English; may be organized by author, theme, formal characteristics, sub-genre, period, contextual influences, theoretical approach, may be taken up to three times for credit. Prerequisite(s): Graduate course in novel or approval of instructor.

ENGL 680. Theories of Gender. (3-0). Credit 3. Theories of gender, sexualities, feminism, embodiment, and difference with particular focus on their relationship to literary and cultural studies; emphasis on contemporary theoretical positions, discourses, and debates. Prerequisite(s): Graduate standing or approval of instructor.

INFO 617. E-Commerce: Auctions, Contracts and Exchanges. (3-0). Credit 3. Course covers design and implementation of contract mechanisms, auctions, and internet exchanges for business-to-business transactions. Tools for dealing with these issues will be developed as well as an understanding of what issues are critical to the successful implementation of virtual vertical integrations. Prerequisite(s): G7 or instructor’s approval. Cross-listed with AGEC 617.

LING 670. Seminar in Discourse Analysis. (3-0). Credit 3. Course in linguistics and discourse analysis; may address Discourse and Identity, Language and Gender, Register Studies, Ethnography of Communication, Linguistics and literature; may be taken three times for credit. Prerequisite(s): Graduate course in linguistics or approval of instructor.

MATH 648. Computational Algebraic Geometry. (3-0). Credit 3. Broad introduction to algorithmic algebraic geometry, including numerical and complexity theoretic aspects. Theory behind the most efficient modern algorithms for polynomial system solving and the best current quantitative/geometric estimates on algebraic sets over various rings is derived. Prerequisite(s): MATH 653 or approval of instructor.

PHYS 640. Introduction to Quantum Computing. (3-0). Credit 3. Introduces the quantum mechanics, quantum gates, quantum circuits and quantum hardware of potential quantum computers. Briefly describes the algorithms, potential uses, complexity classes, and evaluation of coherence of these devices. Prerequisite(s): MATH 304, PHYS 208. Cross-listed with ELEN 640.