I. Approved requests for new graduate courses as follows:

**AERO 625. Digital Control of Aerospace Systems. (3-0). Credit 3.** Analysis and design of discrete and sampled-data controllers unique to aircraft and spacecraft; modeling of aircraft and spacecraft, sources of uncertainties; requirements and specifications; direct digital design using SISO and MIMO optimal techniques; Z plane and w’ plane analysis and design; sample rate selection, multi-rate controllers; robustness. Prerequisite: AERO 422 or equivalent.

**ANTH 611. Nautical Archaeology. (3-0). Credit 3.** An introduction to the history and theoretical basis of nautical archeology as a discipline; fundamental concepts in nautical science relevant to the history of seafaring; key developments in the history of seafaring. Prerequisite: Approval of instructor and graduate classification.

**CVEN 660. Slope Stability and Retaining Walls. (2-2). Credit 3.** Slope stability; failure analysis including methods of slices; risk analysis; earthquake analysis; monitoring; remedial measures; retaining structures; basic theories; gravity walls; cantilever walls; tieback walls; mechanically stabilized walls; soil nailing; deflecting-based analysis. Prerequisite: CVEN 365 or equivalent; graduate standing.

**GEOG 610. Geographical Methods and Theory. (3-0). Credit 3.** Development of geography as a discipline; methods and theories used in geography for understanding place and for spatial analysis of human and biophysical phenomena. Prerequisite: Graduate classification in geography or approval of instructor.

**IBUS 685. Directed Studies. (4-0). Variable credit 1-4.** Directed study of selected international business problems using recent development in business research methods. Classification 6 students may not enroll in this course. Prerequisite: Graduate classification and approval of instructor.

**MGMT 640. Managing for Creativity and Innovation. (3-0). Credit 3.** The course examines factors that may foster or stifle individual, team, or organizational creative performance, and presents techniques that may improve the student’s creative thinking skills. Prerequisite: Graduate standing.

**OCNG 675. Environmental Management System Strategies for the Scientist. (3-0). Credit 3.** Provide students with EMS strategy skills: what environmental laws may be triggered by activities; fundamental structure of an EMS; EMS alternatives; concepts in an audit; alternative dispute resolution; how effectively EMS can reduce costs and increase profits. Prerequisite: approval of instructor.

**OCNG 676. Marine Environmental Policy: A Survey. (3-0). Credit 3.** Basic concepts and mechanisms of international and U.S. federal environmental law and policy, survey of the
field and focus on case studies illustrating basic types of environmental problems. Prerequisite: Approval of instructor.

**PSYC 641. Principles of Neuropsychology. (3-0). Credit 3.** Review of major areas of cognitive functioning including concentration, memory, language, visuospatial/construction skills, and executive functions; review of neurobehavioral syndromes including dementia, epilepsy, head injury, stroke, drug toxicity, etc; assessment of deficits associated with disorders. Prerequisite: PSYC 624 or PSYC 627 or equivalent as approved by professor.

**WMST 685. Directed Studies. Variable credit 1 – 4.** Directed individual study of selected problems in field of Women’s studies. Prerequisite: Approval of instructor.

**WMST 689. Special Topics in.... Variable credit 1 – 4.** Selected topics in an identified area of Women’s Studies. May be repeated for credit. Prerequisite: Approval of instructor.

II. **Approved requests for graduate course changes as follows:**

**Course title change:**

**RPTS 602**

from: Social Science Foundations of Recreation and Resource Development

to: Social Science Foundations of Recreation, Parks and Tourism

**Course number, and prerequisite change**

**EDTC 618**

from: 618. Prerequisite: Graduate Classification.

to: 668. Prerequisite: EDTC 645, or EDTC 608, or approval of instructor in regard to advanced computing and telecommunications skills.

**Course title, description and prerequisite change**

**NUEN 607**

from: **Thermonuclear Engineering.** Fusion reactions, orbit theory in magnetic and electric fields; coulomb interactions, formulation of Boltzmann equation, magnetohydrodynamics, plasma waves. Prerequisite: MATH 601 o registration therein, NUEN 417, or approval of instructor.

to: **Plasma and Thermonuclear Engineering.** Fusion reactions, orbit theory in magnetic and electric fields, coulomb interactions, formulation of Boltzmann equation. Magnetohydrodynamics, plasma waves, and application configurations.
Prerequisite: MATH 601 or registration therein, Basic Circuits, NUEN 417 or approval of instructor, NUEN, ELEN, or Physics majors recommended.

Course description and contact hour change

VTMI

from: (3-0). Credit 3. Detailed discussions, workshops and assigned reading/problem solving on advanced topics; structural organization of molecules; genetic regulation; cytokine cascades; pathophysiology autoimmunity.

to: Credit 1 to 5. Modular course with detailed discussions, workshops and assigned reading/problem solving on advanced topics; structural organization of molecules; genetic regulation; cytokine cascades; pathophysiology of autoimmunity. May be repeated for credit.

Course prerequisite change

MATH 625

from: MATH 411 and MATH 446

to: MATH 619

Course title, description and change

RPTS 603

from: Acquiring and Allocating Park and Recreation Resources. Positioning park and recreation services; traditional and non-traditional sources for acquisition and development of facilities; tools and techniques for allocating operation resources.

to: Financing and Marketing Park and Recreation Resources. Positioning park and recreation services; traditional and non-traditional sources of financing for developing services and facilities; philosophy and techniques of marketing services and facilities.
REPORT OF THE GRADUATE COUNCIL MEETING
March 9, 2000

The Graduate Council at the March 9 meeting approved the proposal for the Faculty of Virology.