Faculty Senate Meeting
Agenda
January 25, 2016
3:15pm
MSC 2406
http:// facultysenate.tamu.edu

Call to Order

Guest Speaker

Speaker Comments

Approval of December 14, 2015 Faculty Senate Meeting Minutes - Attachment A

Consent Agenda
GRADUATE COUNCIL – GC REPORT
December 3, 2015
New Course Request – Attachment B
AERO 651 Human Spaceflight Operations
ANTH 680 Teaching Anthropology
ARCH 637 Seminar in Japanese Architecture History and Theory
ATMO 618 Numerical Methods for the Geosciences
ATMO 634 Fundamentals of High Performance Computing for the Geosciences
BAEN 642 Water-Energy-Food Nexus: Toward Sustainable Resource Management
BMEN 637 Pathological Basis of Implantable Devices
BMEN 676 Professional Development for Biomedical Engineering
CVEN 602 Remote Sensing in Hydrology
CVEN 642 Water-Energy-Food Nexus: Toward Sustainable Resource Management
CVEN 650 Stochastic Mechanics
ECEN 765 Machine Learning with Networks
ENGR 630 Fundamentals of Subsea Engineering
GEOL 647 Radiogenic Isotope Geology
GEOP 618 Numerical Methods for the Geosciences
GEOP 634 Fundamentals of High Performance Computing for the Geosciences
INTA 638 Political Economy of Development in Africa
INTA 640 The Politics and Practice of the Democracy Promotion
INTA 662 Intelligence Threats to National Security in the Modern Era
INTA 664 The Middle East State System
INTA 668 The Politics and History of the Arab Spring
MEEN 604 Time Frequency Nonlinear Vibration Control
MSEN 610 Principles of Composite Materials
MSEN 618 Data-Driven Discovery of Materials
MSEN 655 Materials Design Studio
MSEN 657 Multiscale Modeling in Materials
MSEN 660 Data-Driven Discovery of Materials
OCNG 634 Fundamentals of High Performance Computing for the Geosciences
OCNG 656  MATLAB Programming for Ocean Sciences
PETE 614  Master Graduate Student Paper Contest
PETE 615  Doctoral Student Paper Contest

Change Course Request – Attachment C
BMEN 604  FDA Good Laboratory and Clinical Processes
BMEN 608  Optical Diagnostic and Monitoring Principles
BMEN 631  Thermodynamics of Biomolecular Systems
BMEN 641  Numerical Methods in Biomedical Engineering
BMEN 650  Biomedical Optics Laboratory
BMEN 652  Cell Mechanobiology
BMEN 661  Cardiac Mechanics
BMEN 663  Soft Tissue Mechanics and Finite Element Methods
BMEN 682  Polymeric Biomaterials
EDHP 504  Teaching Practicum
EDHP 505  Thesis
EDHP 506  Project
FINC 705  Corporate Finance
GEOG 616  Digital Image Processing and Analysis
GEOG 651  Remote Sensing for Geographical Analysis
GEOG 659  GeoDatabases
GEOG 660  Applications in GIS
GEOG 661  Digital Image Processing and Analysis
GEOG 662  GIS in Land and Property Management
GEOG 665  GIS-Based Spatial Analysis and Modeling
GEOG 676  GIS Programming
GEOG 678  WebGIS
MEMA 613  Principles of Composite Materials
MSEN 601  Fundamentals of Materials Science and Engineering
MSEN 602  Advanced Materials Science and Engineering
OCNG 615  Numerical Modeling of Ocean Circulation I
OCNG 616  Numerical Modeling of Ocean Circulation II
PSAA 610  Comparing Domestic and Intl Organization in Public Administration

Curriculum Change Request – Attachment D
Texas A&M Health Science Center
College of Nursing
Master of Science in Nursing Education
Reduction of degree program offering from 41 hours to 36 hours

Special Consideration Item – Attachment E
Bush School of Government and Public Service
Graduate Certificate in Homeland Security
Change in Approved Course Delivery Methods

Special Consideration Item – Attachment F
Bush School of Government and Public Service
Master of Public and Service and Administration
Addition of PSAA 643: Foundations of the Nonprofit Sector as Core Course Requirement

Special Consideration Item – Attachment G
Bush School of Government and Public Service
Master of Public and Service Administration
Deletion of Nonprofit Management Concentration

Special Consideration Item – Attachment H
Computer Engineering
Master of Engineering
Distance Education

Special Consideration Item – Attachment I
Electrical Engineering
Master of Engineering
Distance Education

Special Consideration Item – Attachment J
Technical Engineering
Master of Engineering
Distance Education

Special Consideration Item – Attachment K
Sociology
Latino/a and Mexican American Studies Minor
Graduate Certificate

Special Consideration Item – Attachment L
Maritime Administration
Maritime Administration and Logistics
Residency Waiver

UNDERGRADUATE CURRICULUM COMMITTEE – UCC REPORT
New Courses – December 4, 2015 – Attachment M
AERO 451 Human Spaceflight Operations
AGCJ 411 Audience and Communications Research Methods
AGSC 305 Management of Supervised Agricultural Experiences
ANSC 351 Current Issues in Animal Agriculture
ARAB 104 Intensive Beginning Arabic
ARAB 204 Intensive Intermediate Arabic
ARCH 281 Seminar in Contemporary Architecture
ARCH 353 History of Product Design
ARCH 381 Design Seminar
ATTR 201 Field Experience in Athletic Training I
ATTR 202 Field Experience in Athletic Training II
ATTR 301 Field Experience in Athletic Training I
ATTR 302 Field Experience in Athletic Training II
BAEN 484 Internship
BESC 311 International Perspectives on Environmental Issues
CARC 181 First Year Seminar
CHIN 405 Modern Chinese Fiction
CHIN 465 Chinese Film
CSCE 451 Software Reverse Engineering
COSC 202 Introduction to Housing
COSC 310  Design and Construction Leadership Education I
COSC 333  Project Management for Faculty Managers
COSC 410  Design and Construction Leadership Education II
COSC 411  Seminar in Design and Construction Executive Leadership
CVEN 399  Mid-Curriculum Professional Development
ECEN 423  Computer and Wireless Networks
ECEN 484  Professional Internship
ENDS 108  Design and Visual Communication Foundations II
ENGL 305  Texas Literature
ENGR 380  Seminar Series in Engineering Project Management
ENGR 430  Fundamentals of Subsea Engineering
ENTO 209  Veterinary Entomology Laboratory
FILM 465  Chinese Film
GEOG 391  Geodatabases
GEOL 102  Principles of Geology Laboratory
MATH 140  Mathematics for Business and Social Sciences
NRSC 350  Science of Mind and Brain
PHLT 484  Public Health Studies Field Experience
PHYS 328  Experimental Physics II
PHYS 416  Physics of the Solid State
PSYC 350  Science of Mind and Brain
SPAN 208  Spanish for Health Professionals I
SPAN 218  Spanish for Health Professionals II
SPAN 318  Oral Communication for Health Professionals
SPAN 407  Spanish-English Translation
SPAN 417  Advance Spanish-English Translation
SPMT 481  Seminar
VIBS 243  Introductory Mammalian Histology
VIST 432  Applied Perception
WGST 210  Psychological Aspects of Human Sexuality

Change in Courses – Attachment N
AERO 291  Research
AERO 491  Research
ARCH 216  Computational Methods in Architecture
ARCH 317  Digital Fabrication for Architecture
ARCH 433  Architectural Lighting
BMEN 428  Microcontrollers and Communications in Medical Devices
CHEN 204  Elementary Chemical Engineering
COMM 475  Media and the Middle East
ECEN 314  Signals and Systems
ENGL 320  Technical Editing and Writing
ENGL 460  Writing for the Web
ENGR 291  Research
ENGR 491  Research
ENTO 208  Veterinary Entomology
GEOG 203  Planet Earth
GEOG 479  Principles of Geocomputation
GEOG 484  Internship
GEOL 101  Principles of Geology
JOUR 304  Editing for the Mass Media
KINE 223  Introduction to the Science of Health and Fitness
LAND 200  Introduction to Landscape Architectural Practice
LAND 254  Landscape Architecture Communications I
LAND 255  Landscape Architectural Communications II
LAND 318  Landscape Design I
LAND 319  Landscape Design II
LAND 320  Landscape Design III
LAND 321  Landscape Design IV
LAND 330  Landscape Construction II
LAND 421  Landscape Design VI
LAND 442  Professional Practice
MATH 141  Business Mathematics I
MATH 142  Business Mathematics II
MATH 166  Topics in Contemporary Mathematics II
MEEN 357  Engineering Analysis for Mechanical Engineers
MEEN 360  Materials and Manufacturing Selection in Design
MEEN 363  Dynamics and Vibrations
OCNG 251  Oceanography
PHYS 327  Experimental Physics I
SCMT 340  Supply Chain Management
SCSC 305  Production Agronomy Experience
SCSC 312  Introduction to Turfgrass Management
SPMT 482  Seminar
TCMG 308  Security and Ethics in the Digital World

Change in Curriculum – Attachment O
  College of Agriculture and Life Sciences
    Department of Biological and Agricultural Engineering
    BS in Agricultural Systems Management

Change in Curriculum – Attachment P
  College of Agriculture and Life Sciences
    Department of Nutrition and Food Science
    BS in Food Science and Technology – Food Science Option

Change in Curriculum – Attachment Q
  College of Agriculture and Life Sciences
    Department of Nutrition and Food Science
    BS in Food Science and Technology – Industry Option

Change in Curriculum – Attachment R
  College of Architecture
    Department of Architecture
    BED in Environmental Design Architectural Studies

Change in Curriculum – Attachment S
  College of Architecture
    Department of Construction Science
    Minor in Facility Management

Change in Curriculum – Attachment T
Change in Curriculum – *Attachment U*
Mays Business School
Minor in Business Administration

Change in Curriculum – *Attachment V*
Mays Business School
Department of Information and Operations Management
BBA in Management Information Systems

Change in Curriculum – *Attachment W*
Mays Business School
Department of Information and Operations Management
BBA in Supply Chain Management

Change in Curriculum – *Attachment X*
College of Education and Human Development
Department of Health and Kinesiology
BS in Health – Allied Health Track

Change in Curriculum – *Attachment Y*
College of Education and Human Development
Department of Health and Kinesiology
Minor in Sport Management

Change in Curriculum – *Attachment Z*
Dwight Look College of Engineering
Department of Computer Science and Engineering
BS in Computer Science

Change in Curriculum – *Attachment AA*
Dwight Look College of Engineering
Department of Engineering Technology and Industrial Distribution
BS in Manufacturing and Mechanical Engineering Technology

Change in Curriculum – *Attachment BB*
Dwight Look College of Engineering
Department of Engineering Technology and Industrial Distribution
BS in Industrial Distribution

Change in Curriculum – *Attachment CC*
Dwight Look College of Engineering
Department of Industrial and Systems Engineering
Minor in Industrial Engineering

Change in Curriculum – *Attachment DD*
College of Geosciences
BS in Environmental Geosciences
Change in Curriculum – Attachment EE
College of Geosciences
BS in Environmental Studies

Change in Curriculum – Attachment FF
College of Geosciences
Minor in Climate Change

Change in Curriculum – Attachment GG
College of Geosciences
Minor in Earth Sciences

Change in Curriculum – Attachment HH
College of Geosciences
Minor in Environmental Geosciences

Change in Curriculum – Attachment II
College of Geosciences
Department of Geography
BS in Geographic Information Science and Technology
All tracks

Change in Curriculum – Attachment JJ
College of Geosciences
Department of Oceanography
BS in Environmental Geosciences and MS in Oceanography – 3+2

Change in Curriculum – Attachment KK
College of Geosciences
Department of Geology and Geophysics
Department of Oceanography
BA in Geology and MS in Oceanography – 3+2

Change in Curriculum – Attachment LL
College of Geosciences
Department of Geology and Geophysics
Department of Oceanography
BS in Geology and MS in Oceanography – 3+2

Change in Curriculum – Attachment MM
College of Geosciences
Department of Atmospheric Sciences
Department of Oceanography
BS in Meteorology and MS in Oceanography – 3+2

Change in Curriculum – Attachment NN
College of Liberal Arts
Minor in Liberal Arts Honors

Change in Curriculum – Attachment OO
College of Liberal Arts
Department of Communication
BA in Communication

Change in Curriculum – Attachment PP
College of Liberal Arts
Department of Communication
BA in Telecommunication Media Studies

Change in Curriculum – Attachment QQ
College of Liberal Arts
Department of Communication
BS in Telecommunication Media Studies

Change in Curriculum – Attachment RR
College of Liberal Arts
Department of History
BA in History

Change in Curriculum – Attachment SS
College of Liberal Arts
Department of Sociology
BA in Sociology

Change in Curriculum – Attachment TT
College of Liberal Arts
Department of Sociology
BA in Sociology and MPSA – 3+2

Change in Curriculum – Attachment UU
College of Liberal Arts
Department of Sociology
BS in Sociology

Change in Curriculum – Attachment VV
College of Liberal Arts
Department of Sociology
BS in Sociology and MPSA – 3+2

Change in Curriculum – Attachment WW
College of Liberal Arts
Department of Sociology
Minor in Latina/o and Mexican-American Studies

Change in Curriculum – Attachment XX
College of Science
Department of Mathematics
BS in University Studies - Mathematics for Business Concentration

Change in Curriculum – Attachment YY
College of Science
Texas A&M University at Galveston
New Courses—Attachment ZZ
DIVE 250  SCUBA Diving I
DIVE 251  SCUBA Diving II
DIVE 330  Rescue Diving
DIVE 331  Alternative Diving Technology
DIVE 357  Dive Leadership – Divemaster
DIVE 457  Dive Leadership – Instructor

Texas A&M University at Galveston
Withdrawal of Courses—Attachment AAA
MAST 110  Scuba Lecture
MAST 120  Scuba II Lecture
MAST 330  Rescue Diver
MAST 331  Alternate Diving Technology
MAST 357  Diving Leadership-Divemaster
MAST 457  Dive Leadership-Dive Instructor

Texas A&M University at Galveston
Change in Courses—Attachment BBB
MAST 319  Naval Architecture Design I

Texas A&M University at Galveston
Change in Curriculum—Attachment CCC
Texas A&M University at Galveston
  Department of Liberal Studies
    Minor in Diving Technology and Methods

Texas A&M University at Galveston
Change in Curriculum—Attachment DDD
Texas A&M University at Galveston
  Department of Marine Biology
    BS in Marine Biology – License Option

Special Consideration Item – Attachment EEE
College of Agriculture and Life Sciences
  Department of Recreation, Park and Tourism Sciences
    BS in Community Development
      Request to discontinue degree program

Special Consideration Item – Attachment FFF
College of Architecture
  Minor in Architectural Fabrication and Product Design
    Request for a new minor

Special Consideration Item – Attachment GGG
College of Architecture
Department of Construction Science
Minor in Leadership in the Design and Construction Professions
Request for a new minor

Special Consideration Item – Attachment HHH
College of Architecture
Department of Visualization
Minor in Game Design and Development
Request for a new minor

Special Consideration Item – Attachment III
College of Education and Human Development
Department of Health and Kinesiology
BS in Kinesiology and MS in Athletic Training
Request for a new 3+2 program

Special Consideration Item – Attachment JJJ
Dwight Look College of Engineering
Minor in Cybersecurity
Request for a new minor

Special Consideration Item – Attachment KKK
Dwight Look College of Engineering
Minor in Engineering Project Management
Request for a new minor

Special Consideration Item – Attachment LLL
Dwight Look College of Engineering
Department of Computer Science and Engineering
Minor in Game Design and Development
Request for a new minor

Other Items—from November 2015 UCC Meeting—Attachment MMM

New Courses
AGSM 284 Internship
AGSM 484 Internship
BAEN 284 Internship

W-COURSES – Report December 11, 2015 – Attachment NNN
Courses submitted for W certification
COMM/WGST 428 Women’s Rhetoric
OCNG 281 Seminar
OCNG 481 Seminar
WFSC 491 Research in Wildlife and Fisheries
WGST 481 Senior Seminar (Model 1)

Courses submitted for W recertification
ANSC 481 Seminar
ANTH 489 The Neandertals
BIOL 400 Tropical Ecology in Costa Rica
GEOG 404 Spatial Thinking, Perception and Behavior
MARE 452  Senior Capstone Project II  
MGMT 373  Managing Human Resources  
POSC 381  Investigation of Professional Development in Poultry Science  
SCSC 311  Principles of Crop Production

**Courses submitted for Certification**  
ACCT 421  Critical Communication Skills for Accountants

End of Consent Agenda

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**COMMITTEE REPORTS**

Core Curriculum Council Report - December 7, 2015 - *Attachment OOO*

**Informational Review Items**

*College of Pharmacy*

**New Courses**—*Attachment PPP*
- PHAR 820  APPE: Elective I  
- PHAR 821  APPE: Elective II  
- PHAR 822  APPE: Elective III
- PHAR 873  Pharmacy Professionalism

**Change in Courses**—*Attachment QQQ*
- PHAR 756  Pharmacy Management

**Change in Curriculum**—*Attachment RRR*
- Doctor of Pharmacy (PharmD)

**ADDENDUM - added January 22, 2016**

Submitted for approval as part of consent agenda

**Graduate Council**

**Special Consideration Item**—*Attachment SSS*
- Engineering Technology and Industrial Distribution
- Master of Engineering
- Technical Management Program

**Unfinished Business**

**Old Business**

**New Business**

**Information Only**

**Committee of the Whole**

**Old Business (continued)**
- Honorary Degree Candidate—**CONFIDENTIAL**

- Honorary Degree Candidate—**CONFIDENTIAL**
Adjourn

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