

Minutes of Graduate Curriculum Committee  
September 30, 1998  
206 Sandy Hall, 9:00-10:00 a.m.

Members Present:

Julia Beamish, Chair, Duane Berry, Mark Anderson, Kent Nakamoto,  
Eliza Tse, Jim Burger, Bob Mahan, John Eaton, and Marvin Foushee

APPROVED - GEOG-4315 and 4316 Automated Mapping and Geographic  
Information Systems approved for graduate credit retroactively.

APPROVED-GEOG 4324 Algorithms in Geographic Information Systems  
and GEOG 4384 The ARC/Info Geographic Information System.

APPROVED-Name change of department from Family and Child Development  
to Human Development.

THE FOLLOWING WERE APPROVED WITH MINOR CORRECTIONS:

APPROVED-MS IN Life Science(new degree) combines 4 degrees into  
1 degree with options. The Graduate Curriculum Committee recommended  
that the year for last term and the year for granting existing  
degree be changed to Fall 2000.

The following items are tabled:

Revised Course-ARCH 5624-Urban Design Seminar, College of  
Architecture and Urban Studies.

BCHM-5014-John Hess has been invited to present at the next meeting.

ECON-6304

ECON-6504

ECON-5964

New Course/Graduate Credit request ART4514,4524, 4534, 4554,  
4564 and 4574. David Crane has been invited to present these  
courses at the next meeting.

Proposal by the Department of Computer Science to Establish a  
Human-Computer Interaction Option for the Masters degree in Computer  
Science and Applications (CSA). Dr. John L. Eaton will contact  
Jack Carroll for more information.

Minutes of Graduate Curriculum Committee  
October 14, 1998  
206 Sandy Hall, 9:00-10:00a.m.

Members Present: Julia Beamish, Chair, Walid Thabet, Duane Berry, Mark Anderson, Kent Nakamoto, Eliza Tse, James D. Fraser, Bob Mahan, Ellie Albro, and Marvin Foushee Guest: John Hess, Bill Newton, and William Trantor Absent with Notification: Steve Holladay and John Eaton

1. APPROVED-Revised Proposal for Master of Life Science degree.
2. APPROVED-AAEC 6464-Demand & Production Analysis-Proposal combines AAEC 6464 & AAEC 6414
3. APPROVED-Revised Course AAEC/ECON 6444-Regional and Urban Economics
4. APPROVED- AAEC 6454-Dynamic Analysis
5. APPROVED-ECON 6304
6. APPROVED-ECON 6054
7. APPROVED-ECON 5964

THE FOLLOWING WERE APPROVED WITH MINOR CORRECTIONS:

8. APPROVED -BCHM-5014
9. APPROVED-AAEC/ECON 6474-Applied General Equilibrium Analysis

The following items are tabled:

10. Revised Course-ARCH 5624-Urban Design Seminar, College of Architecture and Urban Studies.
11. New Course/Graduate Credit request ART4514,4524, 4534, 4554, 4564 and 4574. David Crane will be invited to present these courses at the next meeting.
12. Proposal by the Department of Computer Science to Establish a Human-Computer Interaction Option for the Masters degree in Computer Science and Applications (CSA).
13. Changes to the Doctoral Program in Materials
14. AAEC 5024-Mathematical Programming for Economists
15. Proposal that a Master of Information Technology Degree and Certificate Program commence as an option under existing Master of Engineering degree in the Department of Electrical and Computer Engineering.
16. Proposal for Residency Requirements in Northern Virginia for PHD Programs in Civil and Environmental Engineering, Electrical and Computer Engineering and Industrial and Systems Engineering.
17. Proposal for Residency Requirements in Northern Virginia for PHD Program in Computer Science.

Minutes of Graduate Curriculum Committee  
October 28, 1998  
206 Sandy Hall, 9:00-10:00a.m.

Members Present:

Julia Beamish, Chair, Walid Thabet, Duane Berry, Mark Anderson, Eliza Tse, James D. Fraser, Steve Holladay, Bob Mahan, John Eaton, Marvin Foushee, and Ellie Albro.

Guest:

Garth Wilkes, Malcolm McPherson, W. T. Reynolds Jr., Bill Newton, Joel Donahue, and Janey Miller

Absent with Notification:

Kent Nakamoto

1. APPROVED-Revised Resolution for Master of Science in Life Sciences.
  2. APPROVED-Proposal for Residency Requirements in Northern Virginia for PHD Programs in Civil and Environmental Engineering, Electrical and Computer Engineering and Industrial and Systems Engineering.
  3. APPROVED-Proposal for Residency Requirements in Northern Virginia for PHD Program in Computer Science.
  4. APPROVED-Pre-proposal for the Master of Information Technology Degree.
  5. WITHDREW-Proposal that a Master of Information Technology Degree and Certificate Program commence as an option under existing Master of Engineering degree in the Department of Electrical and Computer Engineering.
- The following items are tabled:
6. Revised Course-ARCH 5624-Urban Design Seminar, College of Architecture and Urban Studies.
  7. New Course/Graduate Credit request ART4514,4524, 4534, 4554, 4564 and 4574. David Crane will attend the November 11, 1998 meeting to discuss.
  8. Proposal by the Department of Computer Science to Establish a Human-Computer Interaction Option for the Masters degree in Computer Science and Applications (CSA).
  9. Changes to the Doctoral Program in Materials
  10. AAEC 5024-Mathematical Programming for Economists

Several items of New Business will be carried forward to November 11, 1998 meeting due to time constraints.

Minutes of Graduate Curriculum Committee  
November 11, 1998  
206 Sandy Hall, 9:00-11:00a.m.

Members Present:

Julia Beamish, Chair, Mark Anderson, Steve Holladay, John Eaton,  
Marvin Foushee, and Kent Nakamoto

Guest:

David Crane, John Carroll and Bob Sumichrast

Absent with Notification:

Bob Mahan and Ellie Albro

Absent:

Walid Thabet, Duane Berry, Eliza Tse and James D. Fraser

APPROVED

1. APPROVED-Business Administration Proposal to permit students to transfer coursework from Thunderbird University to strengthen the international business component of the MBA degree.

2. APPROVED-New Courses/Graduate Credit ART4514, ART4524, ART4534, ART4554, ART4564, ART4574.

3. APPROVED-BCHM4104-Bioinformatics

4. APPROVED NE5944-Graduate Seminar

NOT APPROVED

5. NOT APPROVED-NEID4124-4TH Year Interior Design Studio-This course was not approved. Students wishing to take this class and receive graduate credit should submit an exception to the Graduate School.

The following items are tabled:

6. Revised Course-ARCH 5624-Urban Design Seminar, College of Architecture and Urban Studies.

7. Proposal for an Interdisciplinary Graduate Certificate and Graduate option in Human-Computer Interaction to be offered through the University's Center for Human Computer Interaction.

8. Changes to the Doctoral Program in Materials

9. AAEC 5024-Mathematical Programming for Economists

10. ECON6014-Aggregate Analysis: Finance, Development and Growth

11. ECON6404-Industry Structure

Minutes of Graduate Curriculum Committee  
December 9, 1998  
206 Sandy Hall, 9:00-10:00a.m.

Members Present:

Julia Beamish, Chair, Mark Anderson, Walid Thabet, Duane Berry, Kent Nakamoto, Eliza Tse, Marvin Foushee, Steve Holladay, Ellie Albro

Guest:

Darrell Bosch and Nancy Lutz

Absent with Notification:

James D. Fraser, Bob Mahan and John L. Eaton

APPROVED

1. AAEC 4344-Sustainable Development Economics
2. ECON 6404-Industry Structure
3. VMS 5014-Animal Pathology Residency
4. VMS 6544-Advanced Seminar in Clinical Studies
5. HTM 6434-Theory Development for Hospitality and Service Management

APPROVED WITH MINOR CORRECTIONS

6. AAEC 5024-Mathematical Programming for Economists
7. ECON 6014-Aggregate Analysis: Finance, Development and Growth
8. VMS 5564-Introduction to Clinical Research
9. VMS 5584-Current Topics in CT and MRI
10. VMS 5794-Clinical Neuropathology
11. VMS 6534-Mechanisms of Disease in Veterinary Medicine

The following items are tabled:

12. Revised Course-ARCH 5624-Urban Design Seminar, College of Architecture and Urban Studies.
13. Proposal for an Interdisciplinary Graduate Certificate and Graduate option in Human-Computer Interaction to be offered through the University's Center for Human Computer Interaction.
14. Changes to the Doctoral Program in Materials

Minutes of Graduate Curriculum Committee  
January 13, 1999  
206 Sandy Hall, 9:00-11:00a.m.

Members Present:

Julia Beamish, Chair, Duane Berry, Mark Anderson, Bob Sumichrast, Steve Holladay, Bob Mahan, John Eaton and Marvin Foushee

Guest:

Dave Hutchins, Mike Moore, Greg Sherman

Absent:

Walid Thabet, Frank Conforti, James D. Fraser, and Ellie Albro

APPROVED

1. AAEC 6424-Risk Analysis
2. EDCI 5584-Program and Product Evaluation
3. EDCI 5594-Topics in Instructional Design Project Development
4. EDCI 5604-Distance Education
5. EDCI 5624-Visual Learning
6. EDCI 5644-Trends and Applied Theories in Professional Development
7. EDCI 6654-Research in Instructional Technology
8. EDCI 6664-Trends and Practice in Instructional Technology

APPROVED WITH MINOR CORRECTIONS

9. EDCI 5534-Applied Theories of Instructional Design
10. EDCI 5544-Instructional Technology Policy Issues, Planning and Management
11. EDCI 5634-Principles of Media Product Design
12. EDCI 5564-Topics in Instructional Tools and Methods
13. EDCO 5204-Orientation to Professional Counseling
14. EDCO 5214-Theories of Counseling and Consultation
15. EDCO 5284-Practicum
16. EDCO 5354-Counseling Substance Abusers
17. EDCO 5364-School Counseling (Elementary, Middle, High)
18. EDCO 5374-Community Counseling
19. EDCO 5614-Internship
20. EDCO 6304-Clinical Supervision
21. EDCO 6404-Advanced Counseling Theory & Research
22. EDCO 6484-Legal and Ethical Issues in Counseling & Consultation
23. EDCO 6524-Doctoral Internship
24. EDCO 6534-DSM Application in Counseling

The following items are tabled:

25. Revised Course-ARCH 5624-Urban Design Seminar, College of Architecture and Urban Studies.
26. Proposal for an Interdisciplinary Graduate Certificate and Graduate option in Human-Computer Interaction to be offered through the University's Center for Human Computer Interaction.
27. Changes to the Doctoral Program in Materials-1/13/99 Julia Beamish to contact department and to discuss with Pat Hyer and will report at next meeting.

Minutes of Graduate Curriculum Committee  
January 29, 1999  
206 Sandy Hall, 3:00-4:00 p.m.

Members Present:

Julia Beamish, Chair, Mark Anderson, Bob Sumichrast, Steve Holladay, Tom Diller, John Eaton, Marvin Foushee, and Ellie Albro

Absent:

Walid Thabet, Duane Berry, Frank Conforti, James D. Fraser, and Bob Mahan

APPROVED

1. Changes to the Doctoral Program in Materials

APPROVED WITH MINOR CHANGES

2. ECON 6004 Strategic Behavior
3. GEOG 4244 Geography of Europe

The following items are tabled:

1. Revised Course-ARCH 5624-Urban Design Seminar, College of Architecture and Urban Studies.
2. Proposal for an Interdisciplinary Graduate Certificate and Graduate option in Human-Computer Interaction to be offered through the University's Center for Human Computer Interaction.

Minutes of Graduate Curriculum Committee  
March 5, 1999  
206 Sandy Hall, 2:30-4:00 p.m.

Members Present:

Julia Beamish, Chair, Mark Anderson, Duane Berry, Jay Williams, Bob Sumichrast, Steve Holladay, John Eaton, Marvin Foushee, and Ellie Albro

Absent:

Walid Thabet, Frank Conforti, James D. Fraser, and Bob Mahan

APPROVED

1. Restructure and Rename the Master of Urban Affairs to Master of Public and International Affairs
2. New form for prerequisite/corequisite change request for existing courses and request to drop course from the catalog-These are to go directly to Marvin Foushee. If questionable, Marvin will forward to GCC.
3. Environmental Design and Planning doctoral program option
4. AAEC 6434 Markets and Regulations
5. PAPA-Transfer Course Credit from Shenandoah University (12 Hours)
6. Proposal for an Interdisciplinary Graduate Certificate and Graduate option in Human-Computer Interaction to be offered through the University's Center for Human Computer Interaction

The following items are tabled:

1. Revised Course-ARCH 5624-Urban Design Seminar, College of Architecture and Urban Studies.
2. ECON 4304 Introduction to Econometric Methods
3. ESM 4714 Scientific Visual Data Analysis and Multimedia



Minutes of Graduate Curriculum Committee  
March 26, 1999  
206 Sandy Hall, 3:00-4:00 p.m.

Members Present:

Julia Beamish, Chair, Mark Anderson, Duane Berry, Bob Sumichrast, Steve Holladay, Bob Mahan, John Eaton, and Marvin Foushee.

Absent:

Walid Thabet, Frank Conforti, James D. Fraser and Ellie Albro

APPROVED

1. VM 8024 Descriptive Embryology
2. VM 8094 Clinical Perspectives
3. VM 8184/VMS 5634 Clinical Pathology Small Animals
4. VM 8194/VMS 5644 Clinical Pathology Large Animals
5. VM 8254/VMS 5814 Functional Morphology Birds, Reptiles
6. VM 8264/VMS 5824 Small Animal Nutrition
7. VM 8274 Topics in Veterinary Pharmacology
8. VM 8284 Veterinary Musculoskeletal System
9. VM 8294 History of Veterinary Medicine
10. VM 8314/VMS 5294 Fundamentals of Veterinary Pharmacology
11. VM 8354 Veterinary Clinical Techniques
12. VM 8374 Fundamentals of Theriogenology
13. VM 8384/VMS 5834 Food Animal Nutrition
14. VM 8394/VMS 5844 Equine Nutrition
15. VM 8404 Veterinary Pathology II
16. VM 8424/VMS 5254 Veterinary Toxicology
17. VM 8444 Veterinary Anesthesiology
18. VM 8454/VMS 5654 Veterinary Clinical Nutrition
19. VM 8514/VMS 6514 Equine Theriogenology
20. VM 8534/VMS 5564 Introduction to Clinical Research
21. VM 8544 Veterinary Radiology
22. VM 8554 General Veterinary Medicine
23. VM 8564/VMS 5854 Data Management for Veterinary Epidemiology
24. VM 8574 Food Animal Theriogenology
25. VM 8585,8586,8587 Small Animal Medicine
26. VM 8754/VMS 5864 Veterinary Cardiorespiratory System

\*\*\*\*Several new business items remain from March 26, 1999 Agenda and will be reviewed at the next GCC meeting.

The following items are tabled:

1. Revised Course-ARCH 5624-Urban Design Seminar, College of Architecture and Urban Studies.
2. ECON 4304 Introduction to Econometric Methods
3. ESM 4714 Scientific Visual Data Analysis and Multimedia

Minutes of Graduate Curriculum Committee  
April 12, 1999  
206 Sandy Hall, 2:00-4:00 p.m.

Members Present:

Julia Beamish, Chair, Mark Anderson, Duane Berry, Bob Sumichrast, Steve Holladay, Bob Mahan, Walid Thabet, John Eaton, Marvin Foushee, and Ellie Albro

Absent:

Frank Conforti and James D. Fraser

APPROVED

1. CHE 4134 Chemical Process Modeling
2. BIOL 4314 Plant Ecology
3. ECPE 5624 Digital Signal Processing I
4. ECPE 5724 Neural and Fuzzy Systems
5. EDCI 4124 Psychological Foundations of Education for Preservice Teachers
6. ESM 4004 (BSE 4004) Instrumentation & Experimental Mechanics
7. BSE 4004 (ESM 4004) Instrumentation & Experimental Mechanics (approved as above)
8. ECPE 5544 Coding Theory
9. ECPE 5654 Digital Communications
10. ECPE 6504 Advanced Topics in Computer Engineering
11. ARCH 5624 Urban Design Seminar, College of Architecture and Urban Studies
12. ECON 4304 Introduction to Econometric Methods
13. ESM 4714 Scientific Visual Data Analysis and Multimedia

APPROVED WITH MINOR CORRECTIONS

1. FST 4014-Concepts of Food Product Development
2. ECPE 6514 Applications of Automata Theory to Digital Design
3. ECPE 5944 Seminar
4. ECPE 5605-5606 Stochastic Signals and Systems
5. FST 5405 Food Packaging
6. UAP 5164 Collaborative Governance and Civil Society
7. UAP 5634 Global Change and Local Impacts
8. ACIS 4564/MSCI 4564 Object-Oriented Systems Development for Business
9. ACIS 4554/MSCI 4554 Network and Telecommunications in Business
10. ACIS 5504 Information Systems Design and Database Concepts
11. ACIS 5584 Electronic Commerce Security
12. ACIS 5594/MSCI 5594 Web-Based Applications and Electronic Commerce
13. MSCI 5495-5496 DSS Design and Implementation

THE FOLLOWING ITEM IS TABLED

1. CHEM 5524 Molecular Structure Determination

Graduate Curriculum Committee  
Year End Report  
April 16, 1999

New Courses approved: 69                      Revised Courses: 39  
Courses not approved: 1    Items Withdrawn: 1  
Tabled: 1    Other: 12            Total items reviewed: 123

NEW COURSES

BCHM 5014  
ECON5964  
AAH 4514  
AAH 4524  
AAH 4534  
AAH 4554  
AAH 4564  
AAEC 5024  
BCHM 4104  
ECON 6014  
AAEC 4344  
VMS 5564  
VMS 5584  
VMS 5794  
VMS 6534  
VMS 6544  
HTM 6434  
EDCI 5534  
EDCI 5544  
EDCI 5564  
EDCI 5584  
EDCI 5594  
EDCI 5604  
EDCI 5624  
EDCI 5634  
EDCI 5644  
EDCI 6654  
EDCO 5354  
EDCO 5364  
EDCO 5374  
EDCO 5614  
EDCO 6304  
EDCO 6484  
EDCO 6524  
EDCO 6534  
ECON 6004  
GEOG 4244  
BIOL 4314  
CHE 4134  
VM 8094  
VM 8184/VMS 5634  
VM 8194/VSM 5644  
VM 8254/VMS 5814  
VM 8264/VMS 5824  
VM 8274  
VM 8284  
VM 8294  
VM 8374  
VM 8384/VMS 5834  
VM 8394/VMS 5844  
VM 8534/VMS 5564  
VM 8544  
VM 8554  
VM 8564/VMS 5854  
VM 8574

VM 8585, 8586, 8587  
FST 4014  
ECPE 5944  
EDCI 4124  
ESM 4004 (BSE 4004)  
BSE 4004 (ESM 4004)  
ECPE 5654  
ESM 4714  
FST 5405  
UAP 5164  
UAP 5634\*\*Changed to UAP 5264 per Marvin...Already used this number  
ACIS 5504  
ACIS 5584  
ACIS 5594/MSCI 5594

REVISED COURSES

ARCH 5624  
ECON 6304  
ECON 6054  
GEOG 4315  
GEOG 4316  
GEOG 4324  
AAEC/ECON 6474  
AAEC 6464  
AAEC/ECON 6444  
AAEC 6454  
ECON 6404  
NE 5944  
VMS 5014  
AAEC 6424  
EDCI 6664  
EDCO 5204  
EDCO 5214  
EDCO 5284  
EDCO 6404  
AAEC 6434  
VM 8024  
VM 8314/VMS 5294  
VM 8354  
VM 8404  
VM 8424/VMS 5254  
VM 8444  
VM 8454/ VMS 5654  
VM 8514/VMS 6514  
VM 8754/VMS 5864  
ECPE 5624  
ECPE 6514  
ECPE 5724  
ECPE 5544  
ECPE 5605-5606  
ECPE 6504  
ECON 4304  
ACIS 4564/MSCI 4564  
ACIS 4554/MSCI 4554  
MSCI 5495-5496

TABLED  
CHEM 5524

COURSES NOT APPROVED  
NEID 4124-Student must file an exception

WITHDREW

Proposal for a Master of Information Technology Degree and Certificate Program to commence as an option under the existing Master of Engineering Degree in the Department of ECPE. Similar proposal approved.

#### OTHER

- FCD name change to Human Development
- HCI option for Certificate
- MS in Life Sciences (new degree) combines 4 degrees into 1 degree
- Pre-Proposal for the Master of Information Technology Degree/replaced withdrawn item above
- Proposal for Residency Requirements in NVA for PhD programs in Civil and Environmental Engineering, Electrical and Computer Engineering and Industrial and Systems Engineering
- Proposal for PhD Residency Requirements in NVA for Computer Science
- Change administration of Doctoral Program in Materials Engineering Science to the Department of Material Science Engineering
- Business Administration Thunderbird Proposal (Virginia Tech and Thunderbird University)
- New form for prerequisite/corequisite change request for existing courses. (Marvin Foushee to handle in the future)
- Transfer Course Credit from Shenandoah University (CPAP 12 hours)
- EDP doctoral program option
- Restructure and Rename the Master of Urban Affairs to Master of Public and International Affairs