

**MEMORANDUM TO:** Ogden College of Science and Engineering Curriculum Committee

Dr. Martin Stone  
Dr. Mark Revels  
Dr. Phil Lienesch  
Dr. Darwin Dahl  
Dr. Huanjing Wang  
Dr. Warren Campbell

Dr. Xingang Fan  
Dr. Ngoc Nguyen  
Dr. Doug Harper  
Dr. Steve Haggbloom  
Dr. Les Pesterfield

**FROM:** Kenneth Crawford, Chair

**SUBJECT:** Agenda for Thursday, May 5, 4:00 p.m. in COHH 4123

**A. OLD BUSINESS:**

- I. Consideration of the minutes of the March 31, 2016 meeting.

**B. NEW BUSINESS:**

**Consent Items**

**Department of Computer Science**

- I. Proposal to Revise Course Catalog Listing
  - a. CS 360, Software Engineering I, 3 hrs.

**Action Items**

**Department of Architectural & Manufacturing Sciences**

- I. Proposal to Revise a Program
  - a. Ref. 518, Architectural Science, 89 hrs.

**C. OTHER BUSINESS**

**MEMBERS PRESENT:**

Dr. Martin Stone	Dr. Xingang Fan
Dr. Mark Revels	Dr. Ngoc Nguyen
Dr. Phil Lienesch	Dr. Kelly Madole for Steve Haggbloom
Dr. Darwin Dahl	Dr. Huanjing Wang
Dr. Farhad Ashrafzadeh for Warren Campbell	Dr. Les Pesterfield

**GUEST PRESENT:** Dr. Stuart Burris

**FROM:** Ken Crawford, Chair

**OLD BUSINESS:**

Lienesch/Dahl moved for approval of the minutes of the March 3<sup>rd</sup> meeting. Motion passed.

**NEW BUSINESS:**

**Consent Agenda**

Dahl/Revels moved to approve the Department of Engineering Consent Items. Motion passed.

Madole/Stone moved to approve the Department of Psychological Sciences Consent Items. Motion passed.

**Action Agenda**

**Department of Agriculture**

Stone/Madole moved to table Proposal to Create a New Course: AGECE 461 for the purpose of making several changes. Proposal tabled. Committee agreed to have an electronic vote to consider the proposal after changes had been made. Amended proposals were sent to the committee via email on April 5<sup>th</sup>. Stone/Dahl motioned to approve. Motioned passed on a 6 to 0 vote on 4/6 at 1:56pm.

Stone/Lienesch moved to approve Proposal to Revise a Program: Ref. 205, Associate Degree in Agricultural Technology & Management, General Option. Motion passed.

Stone/Lienesch moved to approve Proposal to Revise a Program: Ref. 508, Agriculture. Motion passed.

Stone/Lienesch moved to table Proposal to Revise a Program: Ref. 508, Major in Agriculture, Agricultural Education Concentration for the purpose of making several changes. Proposal tabled. Committee agreed to have an electronic vote to consider the proposal after changes had been made. Amended proposals were sent to the committee via email on April 5<sup>th</sup>. Stone/Dahl motioned to approve. Motioned passed on a 6 to 0 vote on 4/6 at 1:56pm.

**Department of Biology**

Madole/Revels moved to approve Proposal to Create a New Course: BIOL 372. Motion passed with a friendly amendment.

Madole/Stone moved to approve Proposal to Create a New Course: BIOL 390. Motion passed with a friendly amendment.

**Department of Psychological Sciences**

Madole/Stone moved to approve Proposal to Make Multiple Revisions to a Course: PSYS 370. Motion passed.

Stone/Lienesch moved to approve Proposal to Create a New Course: PSYS 353. Motion passed with friendly amendment.

**OTHER BUSINESS:**

Meeting adjourned at 4:26pm.

Proposal Date:

April 10, 2016

**Ogden College of Science and Engineering  
Department of Computer Science  
Proposal to Revise Course Catalog Listing  
(Consent Item)**

Contact Person: Huanjing Wang, [huanjing.wang@wku.edu](mailto:huanjing.wang@wku.edu), 270-745-2672

**1. Identification of course:**

- 1.1 Course prefix (subject area) and number: CS 360
- 1.2 Course title: Software Engineering I

**2. Current course catalog listing:**

Modern development cycle examined via software engineering: needs assessment, requirements analysis, user interface, design, construction, test, maintenance/enhancement. Current methodologies and tools: data dictionary, data flow diagrams, structured walkthroughs, teams, program management. Case studies involving automated CASE and expert systems.

**3. Proposed course catalog listing:  
(aim for 25 words or less)**

Modern development cycle examined via software engineering: needs assessment, requirements analysis, user interface, design model, construction, testing, and maintenance/enhancement. Team project included, incorporating all stages of software development and principles of effective team work and project management.

**4. Rationale for revision of the course catalog listing:**

Automated CASE and expert systems have not been used in project development for a few years. The revised course catalog listing reflects the current course content.

**5. Proposed term for implementation:**

Fall 2017

**6. Dates of prior committee approvals:**

Department of Computer Science

Ogden College Curriculum Committee

Undergraduate Curriculum Committee

University Senate

April 19, 2016

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**Ogden College of Science & Engineering**  
**Department of Architectural & Manufacturing Sciences**  
**Proposal to Revise A Program**  
**(Action Item)**

Contact Person: Neal Downing, AIA, neal.downing@wku.edu, 270-745-6302

**1. Identification of program:**

- 1.1 Current program reference number: 518
- 1.2 Current program title: Architectural Science
- 1.3 Credit hours: 89

**2. Identification of the proposed program changes:**

- Remove requirement of PHYS 201 in the additional courses required in the major.
- Remove requirement of SFTY 171 in the additional courses required in the major.
- Add 3 hours as Architectural Science Electives in the major.
- Add options for Principles of Economics in the additional courses required in the major.

**3. Detailed program description:**

Architectural Science (Old) 89			Architectural Science (New) 87		
Intro to Occupational Safety	AMS 140	1	Intro to Occupational Safety	AMS 140	1
Architectural Graphics	AMS 151	3	Architectural Graphics	AMS 151	3
Architectural Drafting	AMS 163	3	Architectural Drafting	AMS 163	3
Intro to Architecture	AMS 180	3	Intro to Architecture	AMS 180	3
3D Modeling & Imaging	AMS 251	3	3D Modeling & Imaging	AMS 251	3
Construction Methods & Materials	AMS 261	3	Construction Methods & Materials	AMS 261	3
Construction Methods & Materials Lab	AMS 262	1	Construction Methods & Materials Lab	AMS 262	1
Architectural Documentation I	AMS 263	3	Architectural Documentation I	AMS 263	3
Architectural Detailing	AMS 273	3	Architectural Detailing	AMS 273	3
Architectural Structures	AMS 282	3	Architectural Structures	AMS 282	3
Building Codes	AMS 305	3	Building Codes	AMS 305	3
Survey of Building Systems	AMS 325	3	Survey of Building Systems	AMS 325	3
AMS 351 Building Info Modeling	AMS 351	3	AMS 351 Building Info Modeling	AMS 351	3
Architectural Documentation II	AMS 363	3	Architectural Documentation II	AMS 363	3
Architectural Design Studio I	AMS 369	4	Architectural Design Studio I	AMS 369	4
Quality Assurance	AMS371	3	Quality Assurance	AMS371	3
Project Management	AMS390	3	Project Management	AMS390	3
Internship I	AMS398	1	Internship I	AMS398	1

Technology Mgmt./Sup./Team Blding	AMS430	3		Technology Mgmt./Sup./Team Blding	AMS430	3
Architectural Design Studio II	AMS 469	4		Architectural Design Studio II	AMS 469	4
Comprehensive Design	AMS 488	3		Comprehensive Design	AMS 488	3
Senior Research	AMS490	3		Senior Research	AMS490	3
Construction Management	CE 303	3		Construction Management	CE 303	3
Construction Management Lab	CE 304	1		Construction Management Lab	CE 304	1
Business Writing or Technical Writing	ENG 306 or 307	3		Business Writing or Technical Writing	ENG 306 or 307	3
Management Elective		3		Management Elective		3
Architectural Science Elective		6		Architectural Science Elective		9
Additional Required Courses for Major						
Math 117 or higher	MATH 117	3		Math 117 or higher	MATH 117	3
Safety and First Aid	SFTY 171	1		Drop		
Principles of Econ (Micro)	ECON 202	3		Intro to Economics or Principles of Economics (Micro) or Principles of Economics (Macro) or Moral Issues of Capitalism or Economics, Law, and Public Choice or Financial Management	ECON 150 or ECO 150 or ECON 202 or ECO 202 or ECON 203 or ECO 203 or ECON 375 or ECON 390 or BUS 160C	3
College Physics I	PHYS 201	4		Drop		
<b>Technical Hours:</b>		<b>89</b>		<b>Technical Hours:</b>		<b>87</b>

**4. Rationale for the proposed program change:**

- Remove PHYS 201  
The current syllabus of AMS 282 covers vectors which was the primary rationale for requiring PHYS 201.
- Remove SFTY 171  
This course is not a part of the new Colonnade Program. Most companies include safety and first aid training in their orientation of new employees. Aspects of safety are also covered in courses such as AMS 140 and AMS 262.
- Add 3 additional hours of Architectural Science Electives  
Adding to the number of elective hours enables students to explore their areas of interest and focus on specialty topics.
- Add ECON 150 or ECO 150 or ECO 202 or ECON 203 or ECO 203 or ECON 375 or ECON 390 or BUS 160C as option for ECON 202  
This provides more scheduling options for courses in the economics area and gives students more choices, depending upon their goals.

**5. Effective Catalog Year: 2016- 2017**

**6. Dates of prior committee approvals:**

Department of Architectural & Manufacturing Sciences	4/1/2016
OCSE Curriculum Committee	
Undergraduate Curriculum Committee	
University Senate	