



**Campus Curricula Committee Meeting Agenda**

**October 9, 2013**

**10:00 am**

**Room 106B Parker Hall**

**Review of submitted EC forms:**

File #4004 – Explosives Engineering 401, Advanced Blast Vibration Analysis and Prediction, effective Spring 2014.

File #4007 – Computer Science 401, Applied Graph Theory for Computer Science, effective Spring 2014.

**Review of Tabled Items:**

CC #8475, Mining Engineering 407, Theory of High Explosives.

CC #8476, Economics 350, Ethical Problems in a Global Environment.

CC #8477, Explosives Engineering 305, Explosives Handling and Safety.

CC #8478, Materials Science and Engineering 325, Materials Selection in Mechanical Design.

CC #8479, Environmental Engineering 265, Water and Wastewater Engineering.

CC #8480, Philosophy 201, Symbolic Logic in Argumentation.

**Course Renumbering Initiative**

## Course Inventory Change Request

### New Experimental Course Proposal

Date Submitted: 08/27/13 1:28 pm

Viewing: **EXP ENG 401.TBD : Advanced Blast Vibration Analysis and Prediction**

File: 4004

Last edit: 08/27/13 1:46 pm

Changes proposed by: pworsey

Requested Spring 2014

Effective Change Date

Department Mining & Nuclear Engineering

Discipline Explosives Engineering (EXP ENG)

Course Number 401

Topic ID TBD

Title Advanced Blast Vibration Analysis and Prediction

Abbreviated Course Title Adv Vibration Analysis

Instructors Dr. Braden Lusk

Catalog Description Advanced blast vibration prediction methodologies. Includes typical methods including scaled distance, linear regression, signature hole analysis, and modern improved signature hole analysis. Structural response and damage criteria for blast vibrations including, considerations for frequency spectra and amplitude.

Prerequisites EXP ENG 307 or instructor consent.

Credit Hours LEC: 3 LAB: 0 IND: 0 RSD: 0 Total: 3

Justification for new course: This course will be taught distance by Dr. Braden Lusk of the University of Kentucky as a distance class offered by Missouri S&T as part of our postgraduate program. This is a new course developed specifically for us. Currently we only have the bare minimum of distance courses for our postgraduate program and increasing the selection of both our distance and 400 level explosives classes are both strategic goals for the explosives program.

Semester(s) previously taught None

Co-Listed Courses:

Course Reviewer Comments

#### In Workflow

1. RMINNUCL Chair
2. CCC Secretary
3. Engineering DSCC Chair
4. CCC Meeting Agenda
5. Campus Curricula Committee Chair
6. FS Meeting Agenda
7. Faculty Senate Chair
8. Registrar
9. Peoplesoft

#### Approval Path

1. 08/27/13 1:41 pm frimpong: Approved for RMINNUCL Chair
2. 08/27/13 1:46 pm lahne: Approved for CCC Secretary
3. 09/16/13 11:02 am sraper: Approved for Engineering DSCC Chair

## Course Inventory Change Request

### New Experimental Course Proposal

Date Submitted: 09/12/13 6:43 pm

Viewing: **COMP SCI 401.TBD : Applied Graph Theory for Computer Science**

File: 4007

Last edit: 09/12/13 6:43 pm

Changes proposed by: tauritzd

Requested Spring 2014

Effective Change

Date

Department Computer Science

Discipline Computer Science (COMP SCI)

Course Number 401

Topic ID TBD

Title Applied Graph Theory for Computer Science

Abbreviated Applied Graph Theory

Course Title

Instructors Sajal Das

**Catalog Description** This course will cover advanced concepts in graph theory with applications in computer science. Graphs offer an excellent modeling and analysis tool for solving a wide variety of real-life problems in computer science and engineering. Students will be expected to perform applied graph theory based computer science research projects.

**Prerequisites** A "C" or better grade in Comp Sci 325

**Credit Hours** LEC: 3      LAB: 0      IND: 0      RSD: 0      Total: 3

**Justification for new course:** Department request

**Semester(s) previously taught**

**Co-Listed**

**Courses:**

**Course Reviewer**

**Comments**

#### In Workflow

1. RCOMPSCI Chair
2. CCC Secretary
3. Sciences DSCC Chair
4. CCC Meeting Agenda
5. Campus Curricula Committee Chair
6. FS Meeting Agenda
7. Faculty Senate Chair
8. Registrar
9. Peoplesoft

#### Approval Path

1. 09/12/13 6:44 pm  
sdas: Approved for RCOMPSCI Chair
2. 09/13/13 8:37 am  
lahne: Approved for CCC Secretary
3. 09/18/13 8:40 pm  
tauritzd: Approved for Sciences DSCC Chair