Agenda
Campus Curricula Committee Meeting
February 2, 2011
11 a.m. Room 117 Fulton Hall

Review of submitted EC forms:
EC 2311, History 301, History of Japan, effective Fall 2011.

EC 2312, History 301, France and the Second World War, effective Fall 2011.

EC 2313, Russian 301, Business Russian, effective Fall 2011.

EC 2314, Physics 301, Transport in Nanostructures: An Introduction, effective Fall 2011.

EC 2315, Statistics 401, Statistical Consulting, effective Fall 2011.

EC 2316, Statistics 301, Physics 301, Sci Edu and Quantitative Literacy for Middle School Teachers, effective Summer 2011.

EC 2318, Statistics 401, Design and Analysis of Clinical Trials, effective Fall 2011.

Tabled Items:
CC 8072, MSE 418, Principles for Advanced Microstructural Design, effective Spring 2011. Tabled

CC 8074, Explosives Engineering 491, Internship, effective Summer 2011. Tabled

CC 8075, Explosives Engineering 499, Practicum, effective Summer 2011. Tabled
Effective Year: 2011
Effective Term: Summer ☐ Fall X Spring ☐

Experimental Course Form (EC)

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Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: History and Political Science

Discipline and Course Number: 301

Course Title: History of Japan (See note below)

Abbreviated Title (24 spaces or less): History of Japan

Instructor(s): Dr. Diana L. Ahmad

Credit Hours: Lecture: 3 Lab: Total: 3

Prerequisites: Hist 111 or Hist 112 or Hist 175 or Hist 176

Semester(s) previously taught: Spring 2009

Brief Course Description: (40 words or less)
This course covers the history of modern Japan from 1600 to the present and includes Japan's political, social, and cultural/intellectual history.

NOTE: In Spring 2009, the course was called the History of Modern Japan. MODERN Japanese history begins in 1600; however, our students think MODERN Japanese history begins in the 20th century. Therefore, I’ve changed the title.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.
1) 2) 3)
4) 5) 6)

Department Chair: [Signature] Date: 12/21/11

Discipline Specific Curricula Committee: [Signature] Date: Jan. 3, 2011

Curricula Committee: [Signature] Date: 

12/07/10

(Revised 10/12/2010)
FOR FALL 2011 course title will be HISTORY OF JAPAN

Dr. Diana L. Ahmad

Spring 2009
Course Days, Times, & Location: MWF, 8:00-9:50 a.m., H-SS 103
Telephone: Office: 341-4817; Home: 458-2245 (calls accepted between 8 a.m. and 7 p.m.)
Email Address: ahaddi@msst.edu
Office Location and Hours: H-SS 124, MWF, 11 a.m.-12:30 p.m. and by appointment

Objective
The objective of this course is to introduce the student to the history of Japan. Although the class will begin in the prehistoric era, the emphasis will be on the period after reunification under Tokugawa. Japan’s political, social, and cultural/intellectual history will be discussed.

Readings

Examinations, Article Summaries, and Grading Policy
The course grade will be based on 3 exams, 1 map quiz, and 5 "mini-essays." The exams are worth 100 points each and the mini-essays and map quiz are worth 50 points each. There are 600 points available in this class. For details about the mini-essays, please see the handout. A map study guide is included in this packet. All assignments are due at the start of class on their respective due dates. Late papers will lose 3 points per day, including weekends and holidays. NO extra credit is available unless initiated by me. Make-up exams will be given only with the prior consent of the instructor or upon presentation of an acceptable excuse. Missed exams must be taken within one week of the scheduled date and may be different from the original. Any missing exams, "mini-essays" or the map quiz will receive the grade of "F."

A = 540-600; B = 480-539; C = 420-479; D = 360-419; F = 0-359 points

Attendance
Class attendance is recommended and expected. If you have a problem attending, please see me.

Cheating, Plagiarism, and Sabotage Policy, Academic Alert System, & Disability Support Services
Please see handout, “Important Information for All S&T Students.”

Email
Should I need to contact you during the semester, I will ONLY use your Missouri S&T email account. I will not gather, nor seek, other email addresses from you. Please check your Missouri S&T email account regularly for official university emails.

Tape Recorders, Cell Phones, Text Messaging, and Notebook Computers
No tape recorders are allowed in class. Cell phones must be turned off in class. If a cell phone rings or vibrates during class, I will answer it. No text messaging is permitted in class. If text messaging occurs, the cell phone will be surrendered to me immediately. Computers may not be on the internet or email during class. If the user checks email or surfs the internet on personal business during class, the computer will be surrendered to me immediately. Generally, the use of cell phones for calling or text messaging will not be tolerated in class. Please turn the phones OFF, not simply to vibrate or silent.

Exam Rules:
No food, no drink, no cell phones, no computers, and no ear phones are permitted during the exams. If a cell phone is visible during an exam or quiz, it will be surrendered to me immediately.

Topics, Exams, and Reading Schedule

January 12
Introduction

January 14, 16
Geography and Early History

January 19
NO CLASS—Martin Luther King Day
January 21, 26, 28  
Emergence of the Early Japanese State  
Reading: Hane, Chapter 1

January 23  
MAP QUIZ; Mini-Essay Session  
Reading: Huffman, “What is a Document?” “How to Read a Document” (pages 6-9)

January 30, February 2, 4  
Heian Aristocrats and Kamakura Warriors  
ITEM DUE: February 2 Mini-Essay #1

February 6, 9, 11  
Ashikaga Feudalism

February 13, 16, 18  
Reunification of Japan

February 20, 23  
Martial Arts  
ITEM DUE: February 20 Mini-Essay #2

February 25  
EXAM I

February 27, March 2, 4, 6, 9  
Tokugawa Japan  
Reading: Hane, Chapters 2, 3; Huffman, Chapters 1, 2  
ITEM DUE: March 9 Mini-Essay #3

March 11, 16, 18, 20  
Meiji Restoration  
Reading: Hane, Chapters 4, 5; Huffman, Chapter 3

March 13  
NO CLASS—St. Pat’s Break

March 23, 25, 27  
NO CLASSES—Spring Break

March 30, April 1, 3  
Emergence of Modern Japan  
Reading: Hane, Chapter 6  
ITEM DUE: April 3 Mini-Essay #4

April 6, 8  
Creation of a Modern Culture  
Reading: Hane, Chapters 7, 8, 9; Huffman, Chapter 4

April 10  
EXAM II

April 13, 15  
Taisho Era  
Reading: Hane, Chapters 10, 11; Huffman, Chapter 5

April 17, 20  
1930s and Japanese Militarism  
Reading: Hane, Chapters 12, 13; Huffman, Chapter 6

April 22, 24, 27  
World War II  
Reading: Hane, Chapter 14  
ITEM DUE: April 27 Mini-Essay #6

April 29, May 1  
The Occupation  
Reading: Hane, Chapter 15; Huffman, Chapter 7

May 4, 6  
New Japan  
Reading: Hane, Chapters 16, 17, 18; Huffman, Chapter 8

May 8  
Heisei Era Begins

TBA  
EXAM III (date, time, and room TO BE ANNOUNCED)

NOTE: The syllabus and assignments are subject to change at the discretion of the professor or as necessary.
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Department: History and Political Science
Discipline and Course Number: Hist 301
Course Title: France and the Second World War
Abbreviated Title (24 spaces or less): France and WWII
Instructor(s): Shannon Fogg
Credit Hours: Lecture: 3 Lab: Total: 3
Prerequisites: History 112 or Hist 176

Semester(s) previously taught: none

Brief Course Description: (40 words or less)
This seminar-style course examines France during the Second World War and covers topics such as resistance, collaboration, the Holocaust in France, and civilians' daily life. We will examine political decisions as well as lingering effects on French society.

List all co-listed courses: Include initials of Dept. Chair, If signature is not already included below.
1) 2) 3)
4) 5) 6)

Department Chair: ___________________________ (Chair Signature) Date: 1/2/11
Discipline Specific Curricula Committee: ___________________________ (Chair signature) Date: Jan 3, 2011
Curricula Committee: ___________________________ (Chair Signature) Date: __________

12/01/10

(Revised 10/12/2010)

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Department: ALP

Discipline and Course Number: 301

Course Title: Business Russian

Abbreviated Title (24 spaces or less): Business Russian

Instructor(s): Irina Iviyeva

Credit Hours: Lecture: 2 Lab: 1 Total: 3

Prerequisites: Russian 80

Semester(s) previously taught: Sp 2009

Brief Course Description: (40 words or less)
The course addresses practice reading, listening, speaking and writing strategies for conducting business in Russian-speaking countries. Students will improve their knowledge of contemporary Russian culture and business etiquette. Readings, lectures, and discussions are in Russian. Lab work is required weekly.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.

1) 2) 3)

4) 5) 6)

Department Chair: ___________________________ (Chair Signature) Date: 12/15/2010

Discipline Specific Curricula Committee: ___________________________ (Chair signature) Date: Jan. 3, 2011

Curricula Committee: ___________________________ (Chair Signature) Date: ___________________________

12/14/10 (Revised 10/12/2010)
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Co-listed offerings should be submitted on one form, originating from the primary discipline.

**Department:** Physics

**Discipline and Course Number:** Physics 301

**Course Title:** Transport in Nanostructures: An Introduction

**Abbreviated Title (24 spaces or less):** Nanostructures

**Instructor(s):** Alexey Yamilov

**Credit Hours:** Lecture: 3  Lab:  

**Total:** 3

**Prerequisites:** Physics 107 or Physics 207

**Semester(s) previously taught:** Spring 2009

**Brief Course Description:** (40 words or less)
The course overviews how wave interference, energy quantization and tunneling phenomena influence the wave (electron and light) transport in modern nanostructured materials and devices such as quantum dots, quantum wells, quantum wires, and photonic crystals.

**List all co-listed courses:** Include initials of Dept. Chair, if signature is not already included below.

1)  2)  3)

4)  5)  6)

**Department Chair:** [Signature]  

**Date:** 12-14-10

**Discipline Specific Curricula Committee:** [Signature]  

**Date:** 1/5/2011

**Curricula Committee:** [Signature]  

**Date:**  

(Revised 10/12/2010)
Experimental Course Form (EC)

This form must be filed with the Secretary to the Campus Curricula Committee, after the department chair's notation, by the appropriate deadline. Filing deadlines for inclusion in the initial release of the Schedule of Classes are as follows:

Summer and Fall Semester Offerings – January 1
Spring Semester Offerings – August 1

An EC form must be submitted each semester it is to be offered, not to exceed two offerings. An experimental course that is required should be submitted on a CC form. Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Mathematics and Statistics

Discipline and Course Number: Stat 401

Course Title: Statistical Consulting

Abbreviated Title (24 spaces or less): Statistical Consulting

Instructor(s): V. Samaranayaka

Credit Hours: Lecture: 3 Lab: Total: 3

Prerequisites: Stat 343 and two of Stat 353, 346, 443, 444, 445

Semester(s) previously taught:

Brief Course Description: (40 words or less)
Introduction to the role of the statistical consultant; the real-world application of statistical methods; issues related to multi-disciplinary problem solving; enhancement of communication and collaborative skills; development of a personal philosophy of consulting; ethical standards.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.
1) 2) 3)
4) 5) 6)

Department Chair: [Signature] Date: 12/15/10

Discipline Specific Curricula Committee: [Signature] Date: 1/5/2011

Curricula Committee: [Signature] Date:

(Revised 1/31/2008)
Experimental Course Form (EC)

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Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Mathematics & Statistics

Discipline and Course Number: Stat 301

Course Title: Sci Edu and Quantitative Literacy for Middle Sch Teachers

Abbreviated Title (24 spaces or less): Sci Ed & QL for Mid Sch

Instructor(s): Samaranayake (Stat), Pringle (Physics)

Credit Hours: Lecture: 3 Lab: Total: 3

Prerequisites: Current enrollment in a Teacher Education Program or a full or part-time teacher in a K-12 School

Semester(s) previously taught:

Brief Course Description: (40 words or less)
An integrated science-mathematics course for middle school teachers. Course covers selected science/mathematics topics/skills specified in Missouri standards for grades 5-7. Inquiry based methods of teaching these topics in an integrated manner will be emphasized.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.

1) Phy 301  
2)  
3)  
4)  
5)  
6)  

Department Chair:  

(Chair Signature)  

Date: 12-16-10

Discipline Specific Curricula Committee:  

(Chair signature)  

Date: 1/5/2011

Curricula Committee:  

(Chair Signature)  

Date: 

12/15/10

(Revised 10/12/2010)
Experimental Course Form (EC)

This form must be filed with the Secretary to the Campus Curricula Committee, after the department chair's notation, by the appropriate deadline. Filing deadlines for inclusion in the initial release of the Schedule of Classes are as follows:

Summer and Fall Semester Offerings – January 1
Spring Semester Offerings – August 1

An EC form must be submitted each semester. It is to be offered, not to exceed two offerings. An experimental course that is required should be submitted on a CC form. Co-listed offerings should be submitted on one form, originating from the primary discipline.

Department: Mathematics and Statistics

Discipline and Course Number: Stat 401

Course Title: Design and Analysis of Clinical Trials

Abbreviated Title (24 spaces or less): Clinical Trials

Instructor(s): Robert Paige

Credit Hours: Lecture: 3 Lab: Total: 3

Prerequisites: Stat 343 and 344 and one of Stat 346, 444 or 453

Semester(s) previously taught: None

Brief Course Description: (40 words or less)
An introduction to clinical trials and their design; Phase I, II, and III designs; stopping rules; interim analysis; statistical modeling of trial data; ethical issues.

List all co-listed courses: Include initials of Dept. Chair, if signature is not already included below.
1) 2) 3)
4) 5) 6)

Department Chair: [Signature] Date: 12/15/10

Discipline Specific Curricula Committee: [Signature] Date: 1/5/2011

Curricula Committee: [Signature] Date:

(Revised 1/31/2008)

12/15/10
Course Change Form (CC)

Course Changes (Check all changes.)
- New Course ☑
- Course Deletion □
- Credit Hours □
- Prerequisites □
- Course Title □
- Catalog Description □
- Course Number □
- Co-listing □

Course Information (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)
1. Department: Materials Science & Engineering
2. Discipline and Course Number: Present: MSE 418
3. Course Title: Present:
   - Proposed: Principles for Advanced Microstructural Design
4. Catalog Description (300 Character Spaces or Less.)
   Present:
   - Proposed: This course will introduce the microstructural principles that can be used to design advanced materials. It will help students learn about the principles and microstructural design approaches. In addition, they will design a theoretical microstructure for high efficiency structure.
5. If course requires field trip check box: □
6. Credit Hours:
   - Present: Lecture: 3.0, Lab: 0.0, Total: 3.0
   - Proposed: Lecture: 3.0, Lab: 0.0, Total: 3.0
7. Prerequisites:
   - Present:
   - Proposed: Graduate level
8. Required for Majors: □
   - Elective for Majors: ✓
9. Justification: This course is need for students to acquire the latest developments in Integrated Computational Materials Engineering (ICME) approach. ICME is being promoted by NAE, NSF and other federal agencies.
10. Semesters previously offered as an experimental course (101, 203, 301, 401): FS2004; SP2006
11. List all co-listed courses, initialed by Dept. Chair, if signature does not appear below.
   1) 2) 3)
   4) 5) 6)
Recommended by Department
(Chair signature)
Recommended by Discipline Specific Curricula Committee
(Chair signature)
Approved by Curricula Committee:
(Chair signature)
Approved by Faculty Senate:
(Chair signature)

Date: 9/11/10
Date: 10-15-19
Date: __________
Date: __________

(Revised 1/20/09)
Course Change Form (CC)

This form is for creating or modifying permanent courses.

**Course Changes**  (Check all changes.)
- New Course ☐  
- Course Deletion ☐  
- Credit Hours ☐  
- Prerequisites ☐  

**Course Information** (1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Mining & Nuclear Engineering
2. Discipline and Course Number: Present:  
   Proposed: ExpEng 491
3. Course Title: Present:  
   Proposed: Internship  
   Abbreviated Course Title: Internship  
   (24 Spaces or Less. Only needed for New Courses or Title Changes.)
4. Catalog Description (300 Character Spaces or Less.)
   Present:  
   Proposed: Students apply critical thinking skills and discipline specific knowledge in a work setting based on a project designed by the advisor and employer. Activities will vary depending on the student's background and the setting. Requires major report and formal presentation to sponsoring organization.

5. If course requires field trip check box: ☐

6. Credit Hours: 
   Present:  
   Proposed: 
   Lecture: 0-6  
   Lab: 0-6  
   Total: 0-6

7. Prerequisites: 
   Present:  

8. Required for Majors: ☐  
   Elective for Majors: ☐

9. Justification: See attached Justification

10. Semesters previously offered as an experimental course (101, 201, 301, 401):
11. List all co-listed courses, Initiated by Dept. Chair, if signature does not appear below.
   1)  
   2)  
   3)  
   4)  
   5)  

   Recommended by Department:  
   (Chair signature)
   Date: 09/17/10

   Recommended by Discipline Specific Curricula Committee:  
   (Chair signature)
   Date: 10/15/10

   Approved by Curricula Committee:  
   (Chair signature)
   Date: 

   Approved by Faculty Senate:  
   (Chair signature)
   Date: 

(Revised 1/29/09)
Explosives Engineering

Proposed courses:

491 Internship (IND 0.0-6.0) Students apply critical thinking skills and discipline specific knowledge in a work setting based on a project designed by the advisor and employer. Activities will vary depending on the student's background and the setting. Requires major report and formal presentation to sponsoring organization. 12hrs of ExpEng courses including ExpEng307.

499 Practicum (IND 0.0-6.0) This course is similar to the ExpEng 491 Internship course. The difference is that this course is intended for students who are already employed by an organization for whom they wish to continue working. Prerequisite: Prerequisite: 12hrs of ExpEng courses including ExpEng307.

Justification.

On 22 April 2010 the Coordinating Board of Higher Education (CBHE) approved (at state level) the new Master of Science in Explosives Engineering at the Missouri University of Science and Technology. The degree has been put in place and is listed in the new 2010-2012 graduate catalog with the first 11 classes/courses listed with the new ExpEng designation. We are very proud of this accomplishment.

The approved proposal package includes a 491 internship which is intended for students to gain practical experience in the explosives industry. The internship is modeled on the S&T Business program graduate internship. It is our intent to require the MS student in Explosives Engineering to acquire practical experience related to explosives in industry or government before graduating. We feel this is very important.

For persons already employed in industry or government the graduate "practicum" as offered by the S&T Business program, Business 499, makes sense over the 491 designation. The difference is the practicum is for students already employed. For the explosives engineering program it will be in explosives related employment. In addition we have currently submitted a Master of Science of Explosives Engineering non thesis degree option to cater for nontraditional students, such as those who are unable to stay on campus for 6 months to do a research project due to work, military commitments, or financial considerations due to loss of salary and having to support a family. For these persons whom the explosives engineering masters is a means of job advancement in their field we are opting for the practicum over the internship. The MS in explosives engineering without thesis will be reserved for those who are not able to complete a full research project and will be reserved for those in an explosives related industry or government position.

The above explains the background of our submission of a request for approval of ExpEng 491 Internship and ExpEng 499 practicum. We are still in the process of applying for new courses as we try to get everything up and running with the new program and we hope to have everything fully in place by fall 2011. Enrollment is already 13 MS students, 2 of which have already completed their thesis defense and will be graduating at Christmas. We also have 13 in the graduate certificate 6 of which have voiced the intent to join the masters when they have completed their certificates and a host of other applications anticipated to be processed before Christmas.
Course Change Form (CC)

Course Changes
(Choose all changes.)
- New Course
- Course Deletion
- Credit Hours
- Prerequisites
- Course Title
- Catalog Description
- Course Number
- Co-listing

Course Information
(1-9 Must Be Completed. Leave "Proposed" items blank if no change is being made.)

1. Department: Mining & Nuclear Engineering
   Proposed: ExpEng 499

2. Discipline and Course Number: Present: Proposed: ExpEng 499

3. Course Title: Present:
   Proposed: Practicum
   Abbreviated Course Title: Practicum
   (24 Spaces or Less. Only needed for New Courses or Title Changes.)
   Present:
   Proposed: This course is similar to the ExpEng 491 Internship course. The difference is that this course is intended for students who are already employed by an organization for whom they wish to continue working.

4. Catalog Description (300 Character Spaces or Less.)
   Present:
   Proposed: Prerequisite: 12hrs of ExpEng courses including ExpEng307.

5. If course requires field trip check box: □

6. Credit Hours:
   Present: Lecture: Lab: Total:
   Proposed: Lecture: 0-6 Lab: Total: 0-6

7. Prerequisites:
   Present:
   Proposed: Prerequisite: 12hrs of ExpEng courses including ExpEng307.

8. Required for Majors: □ Elective for Majors: □

9. Justification: See attached justification

10. Semesters previously offered as an experimental course (101, 201, 301, 401):

11. List all co-listed courses, initiated by Dept. Chair, if signature does not appear below:
   1) 2) 3)
   4) 5)

   Recommended by Department: [Signature]
   Date: 09/19/10

   Recommended by Discipline Specific Curriculum Committee: [Signature]
   Date: 10-15-10

   Approved by Curriculum Committee: [Signature]
   Date: 

   Approved by Faculty Senate: [Signature]
   Date: 

(Revised 1/29/08)
Explosives Engineering

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