To: Faculty Council  
From: Professor Frank Kschischang  
Chair, Curriculum Committee  
Date: November 26, 2008  
Item:  
1. Curriculum Updates for the 2009-2010 Faculty Calendar  
2. Proposal to Cancel CHE119H1S in the 2008-2009 Academic Session  
3. Proposed Session Dates for 2009-2010  

The Curriculum Committee presents herewith its proposed updates to Chapters 7 and 8 of the 2009-2010 Faculty Calendar. Highlights of the proposed updates include:  

- introduction of two new Minor Programs of Study: one in Environmental Engineering and one in Sustainable Energy;  
- a significant revision of the curriculum in Civil Engineering;  
- a revision of the Engineering Science curriculum in Years I and II aimed at controlling student workload, eliminating quarter courses, and re-integrating laboratory material with related courses;  
- a merging of the Electrical Option with the Computer Option of Engineering Science.  

Also included in this report are:  

(a) A proposal to cancel CHE119 in this Academic Session  
and  
(b) The proposed Session Dates for the 2009-2010 Academic Year.
1. Summary of Proposed Curriculum Updates for 2009-2010 Calendar

Minor Programs of Study

Environmental Engineering
After considerable planning and discussion, and in response to enthusiastic student support, the current Collaborative Program in Environmental Engineering is proposed to be converted to a minor in Environmental Engineering. This minor will generally be compatible with the previous Collaborative Program but will also provide students outside of Civil Engineering and Chemical Engineering and Applied Chemistry greater scope to take the 6 course concentration in environmental engineering required to complete a minor.

The core courses are proposed to consist of APS 301 (Technology in Society and the Biosphere) and one of a set of 4 specified environmental courses. Of the 4 elective courses, it is proposed that at least 2 are to be at an advanced level.

Sustainable Energy
In addition, to meet student demand and faculty interest, a new faculty-wide minor in Sustainable Energy is being proposed. This minor would permit students in most undergraduate programs (depending on Department and time-tabling constraints) to take the 6-course concentration in sustainable energy engineering required to complete a minor. The core courses would consist of CIV 300 (Terrestrial Energy Systems) and one of a set of 2 specified courses touching on energy policy. Of the 4 elective courses, it is proposed that at least 2 are to be at an advanced level.

Bioengineering
It is proposed that any one of the following courses from the Faculty of Arts and Science be permitted to count towards fulfillment of the requirements of a Bioengineering Minor Program of study. (Students will be advised to select such courses in consultation with their department, and cautioned that such are courses would normally need to be taken in addition to courses taken in their regular Engineering program of study.)

- BCB420H1S – Computational Systems Biology
- BCH441H1F – Bioinformatics
- HMB201H1F – Introduction to Genes, Genetics and Biotechnology
- HMB265H1S – General and Human Genetics
- IMM334Y1Y – Introductory Immunology
- MGY377H1F – Microbiology I: Bacteria
- PCL201H1S – Introduction to Pharmacology: Pharmacokinetic Principles
- PCL302H1F – Introduction to Pharmacology: Pharmacodynamic Principles
- PSL300H1F – Human Physiology I
Chemical Engineering
Two new courses are proposed. Petroleum Processing (400 level) covers the processing of crude oil into various products, and is taught by Hap Lafferty, P.Eng., who has over 30 years experience in the design and operation of oil refineries. Risk-Based Process Safety (500 Level) covers the material from the Centre for Chemical Process Safety on hazard quantification and quantitative risk-based decision making; the course is taught by Dr. Ertugrul Alp, P.Eng., who has more than 25 years experience in this field.

Other proposed program changes accommodate the Environmental Engineering and Sustainable Energy Minor Programs of Study which involve adding pre-requisites and exclusions to various courses.

Civil and Mineral Engineering
As noted above, the Collaborative Program Option in Environmental Engineering (AECIVBASCE) is proposed to be converted to a Minor Program of Study in Environmental Engineering. If approved this means that the EDV course code would be eliminated: EDV220 Urban Engineering Ecology would be replaced with CIV220 of same title; EDV250 Hydraulics and Hydrology would be replaced by CIV250 of same title.

A new course code “CME” (Civil and Mineral Engineering) is proposed to be created to identify core courses that are common to the AECIVBASC and AELMEBASC programs. MIN185 Earth Systems Engineering would become CME185 Earth Systems Science. Affected CIV courses would simply be re-coded (names are unchanged) as follows: CME210 Solid Mechanics I; CME270 Fluid Mechanics I; CME261 Engineering Mathematics I; CME263 Probability Theory for Civil and Mineral Engineers; CME368 Engineering Economics; CME321 Geotechnical Engineering I; CME362 Engineering Mathematics II.

Mineral Engineering program (AELMEBASC)
Two recently removed technical electives are proposed to be reinstated: CIV521 Rock Mechanics and MIN470 Ventilation and Occupational Health. The technical elective CIV320 Construction Management will be offered in both terms this year only.

Civil Engineering program (AECIVBASC)
The following curriculum changes are proposed for 2009-2010.

- A new core field course CIV201 Introduction to Civil Engineering is proposed to be offered in the first week of September.
- CIV231 Transport I is proposed to be removed from term 2S (it will reappear in 3F in 2009-2010)
- CIV215 Management of Construction is proposed to be added as core in term 2F
- CIV216 Engineering Communications I is proposed to be added as core in term 2F
- APS301 Technology in Society and the Biosphere I is proposed to be made a core CS/HSS course in term 2F
- CIV209 Civil Engineering Materials is proposed to move from first to second term
• CIV540 Water and Wastewater Treatment is proposed to move from a technical elective to a core course in term 3F (it was previously a core course); it will continue to be available to fourth years students this year only
• CIV575 Building Science, a core course, is proposed to be moved to a core course in term 3F (it was previously a core course in third year); it will continue to be available to fourth years students this year only
• CIV424 Foundations and Earthworks, a core course, is proposed to be moved to a core course in term 3S (it was previously a core course in third year)
• CIV504 Sustainable Energy Systems is proposed to be added as a core course to term 3S
• The CS/HSS electives in terms 3F and 3S are proposed to be eliminated (they will reappear in 4F and 4S in 2010-2011)
• CIV425 Design Project, a full year core course, is proposed to be split into two half year courses: CIV301 Engineering Design and Professional Practice in term 4F; and CIV455 Group Design Project in term 4S
• CIV302 Engineering Communications II is proposed to be added as a core course to term 3S
• CIV521 Rock Mechanics is proposed to be reinstated as a technical elective in term 4F
• CIV576 Sustainable Buildings and CIV570 Infrastructure for Sustainable Cities are proposed to be added as technical electives in term 4S
• CIV499 Thesis is proposed to be replaced by CIV499 Individual Project, available in either 4F or 4S (it can only be taken once)

For the information of Faculty Council, the following additional changes will be required for 2010-2011, assuming the current changes are approved.

Mineral Engineering program (AELMEBASC)
• CIV320 Construction Management will be offered in the first term only
• CME368 Engineering Economics will move to 3S, and the CS/HSS will move to 3F (swapping of terms between these two courses)

Civil Engineering program (AECIVBASC)
• CME368 Engineering Economics moves to 3S
• CIV331 Transport I added as core to term 3F
• CIV320 Management of Construction will be removed from term 3S
• CIV540 Water and Wastewater Treatment to be removed as technical elective
• CIV575 Building Science to be removed as core 4F course
• CIV424 Foundations and Earthworks to be removed
• Add CS/HSS electives to terms 4F and 4S

Electrical and Computer Engineering
One new elective course is proposed to be introduced at the 400-level: Introduction to Micro- and Nano-Fabrication Technologies, an introduction to the fundamentals of micro- and nano-fabrication processes with emphasis on cleanroom practices. The proposed new course would be
run in the laboratory facilities of the faculty’s Emerging Communications Technology Institute (ECTI).

In addition, it is proposed to introduce three new ECE courses in support of the merged Electrical and Computer Engineering Option of Engineering Science; these are described in the next section of this report.

Other proposed changes to ECE courses are relatively minor:

- Minor changes to the course descriptions of ECE 110 (Electrical Fundamentals), ECE311 (Dynamic Systems and Control), ECE356 (Linear Systems and Control), ECE557 (Systems Control).
- Minor changes to contact time in ECE 110 (to correct an error in the current calendar) and in the Engineering Science course ECE 253 (Digital and Computer Systems) (to add a tutorial hour).
- It is proposed that ECE 345 (Algorithms and Data Structures), currently offered only in term F, be offered in both terms F and S.
- It is proposed that ECE 462 (Multimedia Systems), currently offered in both terms F and S, be offered only in term S.

**Engineering Science**

*Foundation Years*

Several changes are proposed to the foundation years (Years I and II), with the new foundation curriculum summarized below. The changes are proposed to reduce workload, re-integrate laboratories with relevant courses, eliminate quarter courses and to address gaps in computation in the curriculum, while maintaining many of the features introduced in 2005.

Specific changes include:

- Elimination of labs from ESC101 (Praxis 1) and ESC102 (Praxis II) (these have been integrated into other foundation courses), plus the addition of a lecture hour to both and slight change in description to reflect elimination of laboratory component
- Cancellation of ESC201 (Praxis III), ESC202 (Praxis IV), MAT190 (Matrix and Vector Algebra) (now in ESC103), PHY190 (Relativity), MAT293 (Vector Calculus) (moved to AER205), PHY290 (Vibrations and Waves) (moved to full-semester course with former PHY292), PHY291 (Quantum Mechanics) (replaced with new physics course), PHY292 (Statistical Mechanics) (moved to full-semester course with former PHY290), CHE119 (Thermodynamics) (moved to year 2 course), AER205 (Fluid Mechanics and Transport Phenomena) (replaced with AER210), HSS/CS elective (replaced by ESC203), and CHE218 (Chemical Kinetics)
- Introduction of ESC203 (Engineering, Society and Critical Thinking) (HSS course)
- Introduction of ESC103 (Engineering Mathematics and Computation), which includes material from former MAT190
- Addition of PHY293 (Particles and Waves), replacing the former PHY290 and PHY292
- Addition of MSE260 (Molecules and Materials), to be co-taught by MSE and IBBME, replacing BME210
- Addition of AER210 (Vector Calculus and Fluid Mechanics), replacing the former AER205 and MAT293 (heat and mass transfer will no longer be a part of this course)
• Addition of PHY294 (Modern Physics), a reconfiguration of PHY291 (Quantum Mechanics) with the addition of some relativity content
• Addition of CHE260 (Thermodynamics), replacing CHE119 with the addition of a 0.5hr lab component and 1 lecture hour
• Addition of a 1.5hr/week laboratory component in PHY180 (Classical Mechanics)
• Addition of a 0.5hr/week laboratory component in BME105 (Systems Biology)
• Addition of a 1.5hr/week laboratory component in ECE159 (Electric Circuits)
• Addition of a tutorial hour and change of description for MAT292 (Calculus III), to reflect addition of computational material
• Addition of tutorial hour to ECE253 (Digital Computer Systems)
• Addition of lecture hour to STA286 (Probability and Statistics)
• Movement of ECE259 (Electricity and Magnetism) from 2F to 2S

The resulting proposed Foundation Curriculum is summarized as follows:

1F: MAT194: Calculus I (3/0/1)
   PHY180: Classical Mechanics (3/1.5/1)
   CIV102: Structures and Materials (3/0/2)
   CSC180/192: Computer Programming (3/1/2)
   ESC101: Praxis I (2/0/2)
   ESC103: Engineering Mathematics and Computation (2/0/2)

1S: MAT185: Linear Algebra (3/0/1)
    MAT195: Calculus II (3/0/1)
    BME105: Systems Biology (2/0.5/1)
    ECE159: Electric Circuits (3/1.5/1)
    CSC190: Computer Programming (3/0/3) OR Free Elective
    ESC102: Praxis II (2/0/2)

2F: MAT292: Calculus III (3/0/2)
    PHY293: Particles & Waves (3/1/1)
    MSE260: Molecules and Materials (3/0/1)
    AER210: Vector Calculus and Fluid Mechanics (3/0.5/2)
    ECE253: Digital Computer Systems (3/3/1)
    ESC203: Engineering, Society & Critical Thinking (3/0/1)

2S: STA286: Probability and Statistics (3/0/1)
    PHY294: Modern Physics (3/1/1)
    CHE260: Thermodynamics (3/0.5/1)
    ECE259: Electromagnetism (3/0/1)
    AER201: Engineering Design (1/5/0)
    HSS/CS elective

Aerospace Option
We propose the addition of AER507 (Introduction to Fusion Energy) to the year 4 technical elective list, and the removal of MIE441 (Computer Aided Design) from the year 4 elective list. PHY498 (Advanced Atmospheric Physics) is proposed to move terms in year 4.

**Biomedical Option**
No changes, except slight changes to delivery of CHE391 and MIE539.

**Computer Option and Electrical Option** (AEESCBASCR)
We propose the merger of the Computer Option and the Electrical Option to create one option in “Electrical and Computer Engineering,” This new option has the following structure (new courses are underlined):

<table>
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<tr>
<th>Term</th>
<th>Courses</th>
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| 3F   | ECE355 (Signal Analysis and Communication)  
     | ECE360 (Electronics)  
     | ECE352 (Computer Organization)  
     | MAT389 (Complex Analysis)  
     | ECE349 (Introduction to Energy Systems) |
| 3S   | ECE356 (Linear Systems and Control)  
     | ECE357 (Electromagnetic Fields)  
     | ECE353 (Systems Software)  
     | ECE Elective  
     | ECE Elective |
| 4F   | ESC499 (Thesis)  
     | CS/HSS Elective  
     | Technical Elective  
     | Technical Elective  
     | ECE Elective |
| 4S   | ESC499 (Thesis) OR Technical Elective  
     | CS/HSS Elective  
     | ECE Elective  
     | ECE Elective  
     | ECE Elective |

Here “ECE Elective” includes an extensive list of year 3 and 4 ECE courses, and “Technical Electives” are a superset of ECE electives: any ECE elective as well as certain non-ECE technical courses. As an ECE Elective, it is proposed that students *must take at least two of*:

- ECE358H1S (Foundations of Computing)  
- ECE362H1S (Digital Signal Processing)  
- ECE350H1S (Physical Electronics, proposed to move from term F to term S)

In addition to the list of courses above, students must take CHE374 (Engineering Economics) in any of the four terms.
Energy Systems Option
We propose the following additions to Year 4 Technical Elective List:

- CHE451 (Petroleum Engineering)
- PHY359 (Physics of the Earth)
- MIE407 (Reactor Physics and the Nuclear Fuel Cycle)
- MIE408 (Thermal and Mechanical Design of Nuclear Power Reactors)
- FOR310 (Biotechnology from Sustainable Forest Management)
- FOR410 (Bioenergy and Biorefinery Technology)

Infrastructure Option
In May 2008, a new year 3 curriculum was approved by the Faculty Council. We would now like to propose the following year 4 curriculum (please note the following course deletions: CIV470 (Smart Infrastructure) and CIV451 (Infrastructure Renewal):

4F: CIV460F (Engineering Project Finance and Management)
we also propose a slight course description change to this course
Specialty 1
Specialty 2
Technical Elective
ESC499H1F (Thesis)

Students taking Transportation as their specialty take any two courses from the following list:

- JGI 346F Urban Planning
- CIV 427F Fundamentals of Geomatics Engineering I
- MIE 515F Alternative Energy Systems
- APS 301F Technology in Society and the Biosphere I
- CIV 1507F Public Transit Technology, Design and Organization
- CIV504F Sustainable Energy Systems

Students taking Structures as their specialty take any two from courses the following list:

- CIV 416F Reinforced Concrete II
- CIV 514F Concrete Technology
- CIV 517F Prestressed Concrete
- CIV 375F Building Science
- CIV 1163F Mechanics of Reinforced Concrete

Students who do not wish to declare a specialty take any two courses from either of the above lists. The Technical Elective may be freely chosen from any 400, 500, of 1000 level course offered in Engineering provided students have taken the pre-requisite course. Other courses may be taken with prior approval.

4S Specialty 3
Specialty 4
Specialty 5
CS/HSS Elective
CIV456H1S (Collaborative Design Project)

Students taking Transportation as their specialty take any three courses from the following list:
- CIV570S Infrastructure for Sustainable Cities
- CIV 1508S Airport Planning (offered every other year)
- CIV 1337S Simulation (offered every other year)
- CIV 1506S Freight Transportation and ITS Applications
- CIV 1310S Infrastructure Economics
- CIV 1535S Transportation and Development (offered every other year)
- CIV 1538S Transportation Demand Analysis (offered every other year)

Students taking Structures as their specialty take any three courses from the following list:
- CIV 510S Solid Mechanics II
- CIV 518S Behaviour and Design of Steel Structures
- CIV 523S Urban Excavations
- CIV 529S Rock Engineering
- CIV576S Sustainable Buildings
- CIV 1164 Bridge Engineering
- CIV 1171 Structural Dynamics
- CIV 1174 Finite Element Methods

Students who do not wish to declare a specialty take any three courses from either of the above lists. Students may substitute one technical elective in order to take a full year thesis.

Manufacturing Option
Please note that the cancellation of the option has already been approved by Faculty Council. We propose that the year 3 curriculum be removed from the calendar, and the Manufacturing Option PoSt code be deleted from all relevant courses. Other minor changes impacting the option include slight delivery changes to MIE540 (Product Design) and MIE562 (Scheduling).

Nanoengineering Option
We propose the removal of ECE355 (Signal Analysis and Communication) and the addition of MAT389 (Complex Analysis) OR APM384 (Partial Differential Equations). We also note the slight delivery change of CHE391 (Organic Chemistry and Biochemistry) and the term change of ECE350 (Physical Electronics).

Physics Option
We propose a notation to the year 3 curriculum: “It is highly recommended that students take one of ECE360, ECE318, ECE350 or MSE358 to reduce accreditation constraints in the fourth year”. We also note the term change of ECE350 (Physical Electronics).

New Courses
The following new courses are proposed.

ESC4YY: Technology & Society Student Directed Seminar
Students have the opportunity to propose a topic for exploration in the realm of technology and society studies to run as a student-led seminar course. Accepted course topics in any given year will be based on student interest, but may include such topics as engineering and international development, engineering education and outreach, the politicization of science, gender and technology, and cross-profession collaboration. The student course leader(s) are expected to work with the course coordinator to create a full course-plan, including learning objectives, course topics and methods of assessment. All participants are expected to contribute to the learning experience, through presentations, suggestions of readings and subtopics.

ESC490: Engineering Science Independent Study
Independent study courses are student initiated projects, open to Engineering Science students, which allow students to work one-on-one with a division faculty member. The student and supervising faculty member will develop a learning plan for the semester within the first week of term. (Limited Enrollment).

**Materials Engineering**
The following calendar changes are proposed.

Quarter Courses (MSE342F-MSE343F-MSE354S-MSE355S): Change from half term to full term course with no changes in title or outline. There will be 2 lecture hours and 1 tutorial hour per week. Presently each quarter course has 3 lecture hours and 2 tutorial hours.

MSE401F (Materials selection in Design II): Change CEAB weights to 25% Engineering Science and 75% Engineering Design from present 40 and 60%.

MSE450S (Plant design for process industries): This course is presently a technical elective. It is proposed to:
- change the title to Plant Design for Materials Industries (and modify the course description to reflect this change)
- change the CEAB weight to 100% Engineering Design
- make it a core course

MSE498Y1 Y (Design and Research Project): It is proposed to change CEAB weights to 40% Engineering Science and 60% Engineering Design from the present 10% Complementary Studies, 40% ES, 50% ED.

**Mechanical and Industrial Engineering**
*New Courses*
It is proposed that the following three new courses be introduced:
- MIE407, Reactor Physics and the Nuclear Fuel Cycle
  - Add to Energy and Environment stream and Technical Electives lists for 4F
- MIE408, Nuclear Power Reactor Design
  - Add to Energy and Environment stream and Technical Electives lists for 4S
  - Add to capstone list for 4S
• MIE464, Smart Materials and Structures  
  o Add to list of capstone electives list for 4S

**Mechanical Engineering**  
The following minor adjustments to the existing program and courses are proposed:

• Change AU count for MIE441, Computer Aided Design II to use K-factor  
  o Add to capstone list for 4S

• Replace MIE237, Design of Experiments with MIE364, Methods of Quality Control and Improvement as Manufacturing stream course in 3S  
  o Remove AEMECBASC PoStcode from MIE237

• Remove ECE445, Neural Bioelectricity and ECE446, Sensory Communication from 4F TE list

• Remove AER407, Space Systems Design from list of capstone electives in 4F

• Remove MIE404, Control Systems I as a pre-requisite for MIE422, Automated Manufacturing

• Change format of MIE540, Product Design from 2/-/-/to 2/-/1

• Change format of MIE539, Biomechanics II from 3/-/1 to 3/1/1

• Change format of MIE442, Machine Design from 3/1.5/2 to 3/1.5/3

• Change format of MIE331, Physiological Control Systems from 3/0.25/1 to 3/1/1

• Change AU allocation for MIE414 from 80% ES, 20% ED to 60% ES, 40% ED (passed in 2007, but Form B not submitted)

• Correct POStcode for MIE518, Fundamentals of Aircraft Design: IV-AEMECBASC (elective)

• Add AEESCBASCI PoStcode to MIE515

• Remove AECIVBASC POStcode MIE331, Physiological Control Systems and MIE418, Applied Fluid Mechanics

**Industrial Engineering**  
The following changes are proposed.

• Change Course title, description, and AU allocation for MIE231, Probability & Statistics  
  o Previous AU allocation: 100% Math  
  o Revised AU allocation: 75% Math, 25% Engineering Science

• Change AU Allocation for MIE237, Statistics and Design of Experiments from 100% Math to 70% Math, 30% ES

• Change AU allocation for MIE364, Methods of Quality Control and Improvement from 60% Math, 40% ES to 25% Math, 75% ES

• Program Change: Cancel MIE355, Software Engineering and Program Management  
  o Replace w/ MIE344, Ergonomics of Information Systems in 3F InfoEng stream

• Change format of MIE562, Scheduling from 3/1/1 to 3/-/2

• Program Change: Remove MIE438, Microprocessors and Embedded Microcontrollers from TE list in 4S.
Other Proposed Curriculum Changes

New Course Proposal
The following 500-level course is proposed to be introduced: APS510 (Technologies and Organizations in Global Energy Systems). This course presents and discusses a broad range of global energy systems (including electricity generation, electricity end use, transportation and infrastructure) that are emerging based on two key trends: (a) the increasing ability to deploy technologies and engineering systems globally, and (b) innovative organizations, many driven by entrepreneurship (for profit and social) and entrepreneurial finance techniques.

Course Description Change
The course description for APS320 (Representing Science on Stage) is proposed to be revised to more accurately reflect course content.

HSS/CS Courses
The following courses are proposed to be added to the list of already-approved humanities/social-sciences and complementary studies courses:

EAS241H1 History of Chinese Philosophy
EAS245H1 Pre-Modern Japanese History
EAS345Y1 The Rise of Greater China: Issues & Topics
EAS408H1 Modern Taiwanese Literature
ECO342Y1 Twentieth Century Economic History
ENV320Y1 National and International Environmental Policy Making
ENV321Y1 Approaches to Environmental Issues
ENV350H1 Energy Policy and Environment
ENV446H1 Cities & Urban Environmentalism in a Global Context
FRE272H1 Structure of Modern French
FRE322H1 The 18th Century: The age of Enlightenment
GER150H1 Introduction to German Culture
GER107H1 Environment, Food and People
GGR124H1 Urbanization, Contemporary Cities and Urban Life
GGR221H1S New Economic Spaces
GGR241H1 Historical Geographies of Urban Exclusion and Segregation
GGR314H1 Global Warming
GGR324H1 Transportation Geography and Planning
GGR331H1 Resource and Environmental Theory
GGR335H1 Business and Environmental Change
GGR342H1 The Changing Geography of Southeast Asia
GGR361H1S Understanding Urban Landscape
GGR415H1 Resource and Environmental Planning
HIS325H1 18th Century Imperial Russia
HIS340H1 A Survey of Australian History
HPS307H1 History of Energy
HPS312H1 History of Chemistry
IN1309H1 Urban Infrastructure
JGE221Y1 Environmental Management and Sustainable Development
JIE307Y1 Urban Sustainability
MUS209H1 Performing Arts of South Asia
NEW312Y1 Readings in Hindi
NEW333 Buddhism and Cognitive Science
NMC150H1 Hebrew Bible and Ancient Jewish Literature in Translation
NMC370H1 Syriac Christianity
NML412Y1 Classical Syriac
NML460Y1 Classical Persian Literature
NML461Y1 Modern Persian Poetry
2. Proposal to Cancel CHE119S (Thermodynamics) in 2008-2009 Academic Session

The curriculum committee proposes that CHE119H1 S (Thermodynamics), nominally taken by Engineering Science student in the 1S term, be cancelled this (2008-2009) session.

Rationale:
- The primary reason is to reduce workload immediately for first year students.
- The second reason is to better balance load during the transition into the new curriculum. If CHE119H is held as planned, students moving into the new curriculum in second year will have an empty course slot in the 2S semester.
- CHE119H must be modified to incorporate aspects of heat-transfer (removed from the AER205 course). Cancelling CHE119 now and launching a modified course in term 2S of the 2009-2010 session provides an opportunity to coordinate the development of the new AER205 and CHE119 courses.

3. Proposed Session Dates for 2009-2010

   (Arts & Science dates presented for information)

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<td>First Day of fall classes</td>
<td>Thursday Sept 10</td>
<td>Wednesday Sept 9</td>
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<td>Thanksgiving</td>
<td>Monday Oct 12</td>
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<td>A&amp;S November Break</td>
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<td>First day of Q2 courses</td>
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<td>Exam Study Period</td>
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</tbody>
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*For A&S classes Wednesday November 11th will act as a virtual Monday, all Monday classes will meet on November 11th

**APSC will need to hold exams on **Saturday Dec 12 and evenings** Monday to Thursday to fit in all of our courses.