

COLORADO



SCHOOL OF MINES

SCHEDULE OF COURSES FALL 2011

Updated as of 8/11/2011
Most current information is available through Trailhead

COLORADO SCHOOL OF MINES

FALL 2011 SCHEDULE OF COURSES AND REGISTRATION INSTRUCTIONS

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FALL 2011 SEMESTER DATES

Mon.- Fri., Apr 11-15
 April 11– September 7
 Tuesday, August 23

Fall 2011 Priority Registration
 Registration via web
 First day of classes
**PETITIONS FOR IN-STATE TUITION CLASSIFICATION
 ARE DUE IN THE REGISTRAR'S OFFICE THE FIRST DAY
 OF CLASSES.**

Friday, August 26 \$100.00 Late registration fee begins (Graduate students only)

Wednesday, August 31
 Monday, September 5
 Monday, September 5
 Wednesday, September 7

Last day to be placed on a waitlist for courses with waitlists
 Waitlists cleared – any remaining waitlisted students are removed
 Labor Day – Classes in Session
CENSUS DATE:
 Last day to add courses
 Last day to drop courses without a "W" on the transcript
 Last day to register for courses and have the COF stipend applied to the courses – Undergraduate Residents Only.
 Last day to change sections of a course
 Last day to register for Independent Study
 Last day to register for a course no-credit (audit)
 Last day to drop a course and receive 100% refund for tuition. No refund of tuition and fees without an official complete withdrawal from school after this date.
 Last day to waive or pay for student health insurance – see page 9.

Thursday, September 8
 Mon-Tue, October 17-18
 Monday, October 17

Payment of Tuition and Fees due
 Fall Break
 Midterm grades due in Registrar's Office at 10:00 AM via the web.

Tuesday, November 15

Last day to withdraw from a course with a "W" for all continuing students in their third semester or more

Mon-Fri, Nov 14-18
 Wednesday, November 23
 Thu-Fri, Nov 24-25

Priority registration for Spring 2012
 Non-class Day prior to Thanksgiving Break
 Thanksgiving & day after – No class, Campus Closed

Friday, December 2

Last day to withdraw from a course with a "W" for all new students entering Spring 2011 or Fall 2011; any first or second semester students.

Thursday, December 8
 Friday, December 9
 Saturday, December 10
 Mon-Thurs, December 12-15
 Friday, December 16
 Monday, December 19
 Tuesday, December 20

Last day of classes
 Dead Day (NO SCHEDULED ACADEMIC ACTIVITIES)
 Final Exams
 Final Exams
 Semester ends – Commencement
 Final grades due on web by 4:00 p.m.
 Grades available to students on web at 10:00 a.m.

TUITION REFUND POLICY

The amount of tuition and fee assessments is based primarily on each student's enrolled courses. In the event a student withdraws from a course or courses, assessments will be adjusted as follows:

-- If the withdrawal is made prior to the end of the add/drop period, Census Day, for the term of enrollment as determined by the Registrar, tuition and fees will be adjusted to the new course level without penalty.

-- If the withdrawal from a course or courses is made after the add/drop period, and the student does not officially withdraw from the school, no adjustments in charges will be made.

-- If the withdrawal from courses is made after the add/drop period, and the student withdraws completely from school, tuition and fee assessments will be reduced according to the following schedule:

-- Within seven (7) calendar days following the end of the add/drop period, 60 percent reduction in charges.

-- Within the next following seven (7) calendar days, a 40 percent reduction in charges.

-- Within the next following seven (7) calendar days, a 20 percent reduction in charges.

After that period, no reduction of charges will be made.

To comply with federal regulations surrounding student financial aid programs, the Director of Financial Aid may modify this schedule in individual circumstances.

The schedule above applies to the Fall and Spring semesters. The time periods for the summer sessions-Field and Summer-will be adjusted in proportion to the reduced number of days in these semesters.

* Students receiving Federal or Colorado Student Financial Assistance are subject to the refund policies specified in Federal regulations

TUITION REFUND SCHEDULE

Upon Official Complete Withdrawal from School:

-August 23 through September 7 100%

-September 8 through September 14 60%

-September 15 through September 21 40%

-September 22 through September 28 20%

-NO REFUND WILL BE MADE AFTER SEPTEMBER 28

Recommended Steps for Registration

The Registrar's Office hours of operation are:

Monday - 9 AM to 5 PM*

Tuesday - 9 AM to 5 PM*

Wednesday - 10 AM to 5 PM*

Thursday - 9 AM to 5 PM*

Friday - 9 AM to 5 PM*

*During the week of April 11, staff is available from 8:30 AM to 4:30 PM in Ballroom D of the Student Center to assist with all registration questions and issues.

1. If you have any Trailhead login issues, please contact the Academic Computing Center located in the Green Center, 2nd Floor. Trailhead is your link to campus life at Colorado School of Mines. You can access blackboard, webmail, and your student account (financial aid, registration, holds, etc.).
2. Once you are logged into Trailhead, please review your registration status in Trailhead. You may do this by clicking on Self Service Button, Student and Financial Aid tab, and selecting the Registration link. You must clear all encumbrances and holds before priority registration.
3. Fall Registration opens on April 11, 2011 at 8 AM for all eligible students
4. How to register for a course
 - Log onto Trailhead (see previous page)
 - Select the Self Service button (upper right corner)
 - Click on the Student and Financial Aid tab
 - Choose the Registration link
 - You are now in the registration menu where you can look up classes, check your registration status, and review your schedule.
 - Select the Add/Drop link. Select the term.
 - Enter the CRN (Course Registration Number) for each course in which you would like to register.
 - If you receive an error (ex. Link error, Preq and Test Score, etc.), please visit the help menu for information.
 - Review your schedule often until Census.

*****Message to Graduating Seniors*****

December 2011 Graduating Seniors will be able to register on Monday, April 11, according to the schedule below, if you have turned in an Application to Graduate to the Registrar's office prior to March 22, 2011.

May 2012 and August 2012 Graduating Seniors will be able to register on Monday April 11, according to the schedule below if you have turned in an Application to Graduate to the Registrar's office prior to March 22, 2011.

	Monday April 11	Tuesday April 12	Wednesday April 13	Thursday April 14	Friday April 105
Time	12/11, 5/12, and 8/12 Graduating Seniors	Seniors	Juniors	Sophomores	Freshman
8:00am	PhD, Masters	SR Athletes	JR Athletes	SO Athletes	FR Athletes
8:30am	Graduating U-Z	A-E	A-E	A-E	A-E
10:30am	Graduating F-J	P-T	P-T	P-T	P-T
12:30pm	Graduating P-T	F-J	F-J	F-J	F-J
2:30pm	Graduating A-E	K-O	K-O	K-O	K-O
4:30pm	Graduating K-O	U-Z	U-Z	U-Z	U-Z

Graduate level students do not need a pin to register. Registration pin numbers are assigned to undergraduate students only according to his/her primary degree program as follows:

Primary Degree Program	Pin Assignment
CH - Chemistry	All students see advisor
CB - Chemical and Biochemical Engineering	All students see advisor
CR – Chemical Engineering	All students see advisor
EB - Economics	All students see advisor
EG - Engineering	Student with a 2.5 cumulative GPA or below see advisor
GE - Geological Engineering	All students see advisor
GP - Geophysics	All students see advisor
MA – Mathematics & C.S.	Student with a 2.5 cumulative GPA or below see advisor
MN - Mining Engineering	All students see advisor
MT - Metallurgical & Materials Engineering	Student with a 3.0 cumulative GPA or below see advisor
PE - Petroleum Engineering	Student with a 2.5 cumulative GPA or below see advisor
PH - Engineering Physics	All students see advisor

Other Registration Information:

To audit a class, you must register for it and pay the tuition. Please obtain a “Registration Action” from the Registrar’s Office. Complete the form (including the instructor’s signature) and return it to the Registrar’s Office by the Census day.

Non-Degree students register on the internet at www.is.mines.edu/registrar and then click on Non-Degree Information & Registration for more information.

Waitlisted courses: Once a course has reached a maximum enrollment and if the instructor or department is allowing a waitlist on the course, you may then place yourself on the waitlist for the course. You will remain on the waitlist until space becomes available in the class, the instructor decides to exceed the original enrollment, or waitlists are cleared. You will be notified by email when a seat opens in the class. You must register yourself within 24 hours of the email notification or you will be automatically dropped from the waitlist.

All students remaining on waitlists will be dropped/removed on August 30, 2011 if we have not heard from the instructor to increase the enrollment.

DO NOT waitlist yourself for several sections of the same course since this is taking spaces for other students and you will be dropped from all sections except one waitlisted section or your registered section.

Independent Study: Students interested in enrolling in an independent study course need to complete the Independent Study form available at the Registrar's Office. Bring the completed form to the Registrar's Office before Census Day for registration.

Adding/Dropping courses: Adding or dropping courses takes place via the web from April 11, 2011 – September 7, 2011.

☒ THE LAST DAY TO DROP AND ADD WITHOUT PENALTY IS September 7, 2011 ☒

Confirmation:

Confirmation is done through the web. You will be able to confirm your registration starting the week of August 22, 2011. Do not assume that your classes will be dropped automatically.

CONTACT CSM FOR A COMPLETE WITHDRAWAL
IF YOU INTEND NOT TO RETURN

Payment of Tuition and Fees

-Payment is due on the first business day following Census Day.

-There is a 5 business day grace period. Therefore, any payment not **received** by the close of business on the last day of the grace period will be assessed a late fee.

Current Payment Options

- The preferred method of payment is online through Trailhead. There is no additional fee for payment from a checking or savings accounts: Select: Self Service, Student, Student Records, My Account Page, 'Click to make a payment'
- Checks:
 - Make checks payable to "Colorado School of Mines" or "CSM"
 - Address to mail payment:

Colorado School of Mines
Attn: Student Tuition
Dept. 1914
Denver, Colorado 80291-1914
- Cash: In person at the Cashier's Office located in the Student Center M-F 8-4
- Credit Cards: MasterCard, Discover, and American Express will be accepted through the secured web portal via Trailhead. Please note that a convenience fee will be assessed by the processor at the time of payment.
- Wire: If you choose to send your payments electronically to Colorado School of Mines, please contact Student Receivables for specific wiring instructions.

Payment Installment Plan

You may also take advantage of the monthly installment payment plan we offer. To enroll, please log into Trailhead and select: Self Service, Student, Student Records, My Account Page, My Payment Plan, Enroll. A small annual enrollment fee will apply, as well as all applicable convenience fees for credit card use.

Late Payment Fee/Financial Holds

Any balance not paid, covered by financial aid, or are covered by a Payment Plan by the tuition/fee due date will be subjected to a late payment fee of 1.5% of the outstanding balance. Late fees are assessed monthly on any outstanding balance. If the late fee was assessed from pending financial aid/scholarships not yet received, the late fees will be removed only if any outstanding amount was paid by the due date, and the loan application was submitted by the due date of tuition/fees. An outstanding balance also results in a financial hold on your account, which will prevent registration for the next semester and the release of transcripts.

Scholarships/Graduate Research/Teaching Assistantships

All Scholarship checks should be delivered directly to the Financial Aid Office.

Agreements for Graduate Research and Teaching Assistantships and Fellowships must be signed before tuition payments can be credited or stipend checks issued. Any fees not covered by contract are due the first business day after census day.

Sponsored Students

CSM requires all sponsors to submit a Sponsor Authorization Form. The Student Receivables Office must receive this form **by the first day of classes**. CSM requires all **sponsored students** to submit a **Student Agreement Form** to the Student Receivables office **by the first day of classes**. A student is not considered sponsored until this form is submitted. Any tuition/fees not being paid by the sponsor, as indicated on the Sponsor Authorization Form, are due by the first day of class by the student. Please visit the Student Receivables website at <http://inside.mines.edu/Sponsor> for detailed information.

Refunds of Overpayment

Enrollment in eRefund is required. To enroll, please select: Self-Service, Student, Student Records, My Account Page, eRefund, enroll. There is no fee for this service. A Refund Request Form must also be submitted to obtain a refund. The form is available at the Cashier Office or online at <http://inside.mines.edu/Forms> (first bullet). If there is a Parent Plus loan, a refund will be sent to the parent borrower at the address on the loan application, or released to the student if indicated on the loan application. A refund disbursement will be recorded as a charge on your account in order to offset the overpayment. The charge will equal the amount of the overpayment, leaving the net transaction to zero.

Withdrawal from Colorado School of Mines

Students who officially withdraw from Colorado School of Mines may be entitled to an adjustment of charges or a refund. Any refund or adjustment will be based on the official drop/withdrawal date. View the schedule on page 4.

Contact Information

The Student Receivables office is located on the second floor of Guggenheim. Contact the office at 303-273-3260 or sturecv@mines.edu.

2011-2012

Please visit the following web site for current rates:

http://inside.mines.edu/Accounts_Receivable-Cashiering (6th & 7th bullets)

Health Insurance

Colorado School of Mines provides health insurance coverage through a plan offered by United Healthcare. The plan is mandatory unless the student can prove coverage through another plan. Election and waiver of the health insurance is completed on the student web service in the first week of the term. Insurance waivers and enrollments for Fall 2011 will apply to Spring and Summer of 2012. Returning students, please note that you now are required to enroll or waive the insurance at the beginning of EACH Fall semester. For questions regarding health insurance, please contact the Student Health Center, (303) 273-3381, or by email at SHIP@mines.edu.

Vehicle Registration

All motor vehicles operated or parked within the campus (including residence halls and fraternity lots) are to be registered with the CSM Department of Public Safety and visibly display the CSM permit

Family Educational Rights and Privacy Act

Colorado School of Mines, in accordance with the Family Education Rights and Privacy Act of 1974, may release directory information without the prior approval of the student unless the student requests in writing that the school does not release that information.

Directory information consists of:

- Name
- Local and permanent address and telephone number
- Date of birth
- Major field of study
- Dates of attendance
- Full/part time status (no credit hours)
- Degrees awarded
- Last school attended
- Participation in officially recognized activities and sports
- Class level (FR, SO, JR, SR, GR)
- Academic honors

Students may withhold directory information by filing a special request form with the Registrar within the first 12 class days of the fall semester. Information will be withheld for the entire academic year unless the student indicates otherwise. A new request must be filed each Fall semester for the upcoming academic year. Changes must be made in writing with the student's signature. Forms for such purposes are available in the Registrar's Office.

Students Classified as Non-Resident (OUT OF STATE)

The Colorado statute concerning emancipation and domicile for tuition purposes at state-supported colleges and universities in Colorado determines a student's classification as resident (in state) or non-resident (out-of-state) for tuition purposes. A student's initial classification is based on information supplied on the Application for Admission.

A change in tuition classification status is not automatic. In order to be assessed resident tuition continuing students classified as non-resident must petition (including all required supporting documents) the Registrar's Office by the first day of classes.

System Sequence and Distributed Core

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
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For questions regarding DCGN209 contact the Chemistry Department

80204	DCGN209A	DIST CORE THERMO	3.0	MWF	1300	1350	
Prereq:	CHGN 121 FOR LEVEL UG WITH MIN. GRADE OF D AND (CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF D OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 111 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 111 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND (PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 110 FOR LEVEL UG WITH MIN. GRADE OF D)						

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
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For questions regarding DCGN210 contact the Chemical Engineering Department

80205	DCGN210A	INTRO TO ENG THERMODYNAMICS	3.0	MWF	0900	0950	Vestal
82294	DCGN210B	INTRO TO ENG THERMODYNAMICS	3.0	MWF	0900	0950	Persichetti
82295	DCGN210C	INTRO TO ENG THERMODYNAMICS	3.0	MWF	0800	0850	Dean
Prereq:	(CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF D OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND (PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 110 FOR LEVEL UG WITH MIN. GRADE OF D)						

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
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For questions regarding DCGN241 contact the Mining Department

81649	DCGN241A	DIST CORE - STATICS	3.0	MWF	0800	0850	Arora
80208	DCGN241B	DIST CORE - STATICS	3.0	MWF	0900	0950	Arora
80209	DCGN241C	DIST CORE - STATICS	3.0	MWF	1000	1050	Arora
80210	DCGN241D	DIST CORE - STATICS	3.0	MWF	1100	1150	Arora
80211	DCGN241E	DIST CORE - STATICS	3.0	MWF	1300	1350	Arora
80212	DCGN241F	DIST CORE - STATICS	3.0	MWF	1400	1450	Arora
Prereq:	(MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 122 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)) AND (PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 110 FOR LEVEL UG WITH MIN. GRADE OF D)						

System Sequence and Distributed Core

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
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For questions regarding SYGN101 contact the Geology Department

80888	SYGN101A	EARTH & ENV SYSTEMS	4.0	MWF	0900	0950	Shorey
80892	SYGN101ALA	EARTH & ENV SYSTEMS	0.0	T	1300	1550	Shorey
80893	SYGN101ALB	EARTH & ENV SYSTEMS	0.0	T	1300	1550	Shorey
80908	SYGN101ALC	EARTH & ENV SYSTEMS	0.0	F	1300	1550	Shorey
80910	SYGN101ALD	EARTH & ENV SYSTEMS	0.0	F	1300	1550	Shorey
80911	SYGN101ALE	EARTH & ENV SYSTEMS	0.0	F	1300	1550	Shorey
80889	SYGN101B	EARTH & ENV SYSTEMS	4.0	MWF	1000	1050	Shorey
80899	SYGN101BLD	EARTH & ENV SYSTEMS	0.0	T	0800	1050	Shorey
80896	SYGN101BLE	EARTH & ENV SYSTEMS	0.0	T	0800	1050	Shorey
80897	SYGN101BLF	EARTH & ENV SYSTEMS	0.0	T	0800	1050	Shorey
80898	SYGN101BLG	EARTH & ENV SYSTEMS	0.0	T	0800	1050	Shorey
80909	SYGN101BLI	EARTH & ENV SYSTEMS	0.0	F	1300	1550	Shorey
80890	SYGN101C	EARTH & ENV SYSTEMS	4.0	MWF	1100	1150	Harrison
80894	SYGN101CLK	EARTH & ENV SYSTEMS	0.0	T	1300	1550	Shorey
80900	SYGN101CLL	EARTH & ENV SYSTEMS	0.0	R	1300	1550	Shorey
80901	SYGN101CLM	EARTH & ENV SYSTEMS	0.0	R	1300	1550	Shorey
80891	SYGN101D	EARTH & ENV SYSTEMS	4.0	MWF	1300	1350	Duncan
80895	SYGN101DLN	EARTH & ENV SYSTEMS	0.0	T	1300	1550	Shorey
80904	SYGN101DLO	EARTH & ENV SYSTEMS	0.0	R	0800	1050	Shorey
80905	SYGN101DLP	EARTH & ENV SYSTEMS	0.0	R	0800	1050	Shorey
80906	SYGN101DLQ	EARTH & ENV SYSTEMS	0.0	R	0800	1050	Shorey

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
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For questions regarding SYGN200 contact the Liberal Arts Department

80582	SYGN200A	HUMAN SYSTEMS	3.0	TR	1400	1515	Gaylord Murray
81229	SYGN200B	HUMAN SYSTEMS	3.0	TR	1230	1345	Jesudason
81907	SYGN200D	HUMAN SYSTEMS	3.0	TR	0930	1045	Heilbrunn
81908	SYGN200E	HUMAN SYSTEMS	3.0	TR	1400	1515	Mitcham
81909	SYGN200F	HUMAN SYSTEMS	3.0	MWF	1400	1450	Hudson

Prereq: (LIHU 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 101 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 101 FOR LEVEL UG WITH MIN. GRADE OF D)

System Sequence and Distributed Core

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
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For questions regarding ENGY courses contact the Instructor

82453	ENGY310A	INTRO TO FOSSIL ENERGY	3.0	R	1300	1550	Battalora
Prereq:	ENGY 200 FOR LEVEL UG WITH MIN. GRADE OF D						
81890	ENGY320A	INTRO TO RENEWABLE ENERGY	3.0	TR	1400	1515	Stone
81891	ENGY330A	ENERGY ECONOMICS	3.0	MW	1800	1915	Piper
Prereq:	(EBGN 201 FOR LEVEL UG WITH MIN. GRADE OF D OR EBGN 311 FOR LEVEL UG WITH MIN. GRADE OF D)						
82454	ENGY490A	GLOBAL ENERGY POLICY	3.0	TR	0930	1045	Lucena
Prereq:	(ENGY 330 FOR LEVEL UG WITH MIN. GRADE OF D OR EBGN 330 FOR LEVEL UG WITH MIN. GRADE OF D) AND (ENGY 310 FOR LEVEL UG WITH MIN. GRADE OF D OR ENGY 320 FOR LEVEL UG WITH MIN. GRADE OF D OR ENGY 340 FOR LEVEL UG WITH MIN. GRADE OF D)						

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
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For questions regarding NUGN courses contact the Instructor

81920	NUGN505A	NUCLEAR SCI & ENGNRING SEMINAR	1.0	R	1700	1750	King
81921	NUGN580A	NUCLEAR REACTOR LAB	3.0	R			
81922	NUGN585A	NUCLEAR REACTOR DESIGN	2.0	MW	1500	1550	King
Prereq:	(NUGN 510 FOR LEVEL GR WITH MIN. GRADE OF C OR PHGN 590 FOR LEVEL GR WITH MIN. GRADE OF C)						
81923	NUGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				King
81925	NUGN70502	GRADUATE RESEARCH CREDIT - MS	1-12				Shayer
81927	NUGN70503	GRADUATE RESEARCH CREDIT - MS	1-12				Greife
82304	NUGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Sarazin
81924	NUGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				King
81926	NUGN70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Shayer
81928	NUGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Greife
82305	NUGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Sarazin

For questions regarding SYGN courses below contact the Instructor

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
82519	SYGN501A	THE ART OF SCIENCE	1.0	R	1400	1450	Snieder

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81955	SYGN502A	INTRO TO RESEARCH ETHICS	1.0	T	1600	1830	
82069	SYGN502B	INTRO TO RESEARCH ETHICS	1.0	M	1600	1830	

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81547	SYGN550A	INTELLIGENT GEOSYSTEMS	3.0	TR	0800	0915	Mooney

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
82518	SYGN555A	SMARTGEO SEMINAR	1.0	T	1100	1150	Mooney

Chemical Engineering - Bioengineering & Life Sciences

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81548	BELS101A	BIOLOGICAL & ENVIRONMENTAL SYS	4.0	MTWF	1100	1150	Schoonmaker
81931	BELS101B	BIOLOGICAL & ENVIRONMENTAL SYS	4.0	MTWF	1200	1250	Schoonmaker
81932	BELS101C	BIOLOGICAL & ENVIRONMENTAL SYS	4.0	MTWF	1500	1550	Schoonmaker
80001	BELS301A	GENERAL BIOLOGY I (SC1)	3.0	MWF	1400	1450	Norrgran
80926	BELS303A	GENERAL BIOLOGY II (SC1)	3.0	MWF	1400	1450	Ogg
81184	BELS311A	GENERAL BIOLOGY I LAB (SC1)	1.0	T	1300	1550	Norrgran
Prereq:	BELS 301 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR ESGN 301 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81187	BELS313B	GENERAL BIOLOGY II LAB (SC1)	1.0	R	0800	1050	Ogg
Prereq:	BELS 303 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR ESGN 303 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81118	BELS320A	INTRODUCTION TO ETHICS	3.0	TR	1800	1914	Mitcham
Prereq:	(LAIS 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 101 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 101 FOR LEVEL UG WITH MIN. GRADE OF D) AND SYGN 200 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81119	BELS325A	INTRO TO BIOMEDICAL ENGINEERIN	3.0	TR	1230	1345	Bach
80927	BELS402A	CELL BIOLOGY AND PHYSIOLOGY	3.0	MWF	1500	1550	Ogg
Prereq:	BELS 301 FOR LEVEL UG WITH MIN. GRADE OF D OR ESGN 301 FOR LEVEL UG WITH MIN. GRADE OF D						
81497	BELS428A	COMPUTATIONAL BIOMECHANICS	3.0	MW	1400	1515	Petrella
Prereq:	EGGN 413 FOR LEVEL UG WITH MIN. GRADE OF D AND (EGGN 325 FOR LEVEL UG WITH MIN. GRADE OF D OR BELS 325 FOR LEVEL UG WITH MIN. GRADE OF D)						
80002	BELS433A	BIOMATHEMATICS	3.0	MWF	1200	1250	Ganesh
Prereq:	MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D						
81031	BELS453A	WASTEWATER ENGINEERING	3.0	MWF	1100	1150	Figuroa
Prereq:	ESGN 353 FOR LEVEL UG WITH MIN. GRADE OF D						
81934	BELS528A	COMPUTATIONAL BIOMECHANICS	3.0	MW	1400	1515	Petrella
82459	BELS555A	POLYMER/COMPLEX FLUIDS COLLOQ	1.0	R	1300	1350	Liberatore

Chemical Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80003	CHEN307A	FLUID MECHANICS	3.0	MWF	1500	1550	Dorgan
82292	CHEN307B	FLUID MECHANICS	3.0	MWF	0900	0950	Gardner
82293	CHEN307C	FLUID MECHANICS	3.0	MWF W	0900 0900	0950 0950	Wolden Wolden
Prereq:	(MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND CHEN 201 FOR LEVEL UG WITH MIN. GRADE OF C						
80004	CHEN340A	COOP ED - CHEMICAL ENGINEERING	3.0				Gardner
80005	CHEN350A	HNRS UNDERGRADUATE REARCH	1.0				Marr
80006	CHEN350B	HNRS UNDERGRADUATE REARCH	2.0				Marr
80007	CHEN350C	HNRS UNDERGRADUATE REARCH	3.0				Marr
80008	CHEN357A	CHEMICAL ENG THERMODYNAMICS	3.0	MWF	1100	1150	Ely
80009	CHEN357B	CHEMICAL ENG THERMODYNAMICS	3.0	MWF	1100	1150	Sum
81935	CHEN357C	CHEMICAL ENG THERMODYNAMICS	3.0	MWF	1100	1150	Marr
Prereq:	(DCGN 209 FOR LEVEL UG WITH MIN. GRADE OF D OR DCGN 210 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND CHEN 201 FOR LEVEL UG WITH MIN. GRADE OF C AND CHEN 358 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81019	CHEN409A	PETROLEUM PROCESSES	3.0	TR	1800	1915	Jechura
Prereq:	CHGN 221 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 201 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 357 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 375 FOR LEVEL UG WITH MIN. GRADE OF D						
81984	CHEN415A	POLYMER SCIENCE AND TECHNOLOGY	3.0	TR	1100	1215	Boyes
Prereq:	CHGN 221 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 357 FOR LEVEL UG WITH MIN. GRADE OF D AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D)						
80011	CHEN418A	REACTION ENGINEERING	3.0	MWF	1000	1050	Morrish
80010	CHEN418B	REACTION ENGINEERING	3.0	MWF	1300	1350	Wolden
Prereq:	CHEN 201 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 307 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 308 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 357 FOR LEVEL UG WITH MIN. GRADE OF D AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND CHGN 221 FOR LEVEL UG WITH MIN. GRADE OF D AND CHGN 351 FOR LEVEL UG WITH MIN. GRADE OF D						
80012	CHEN430A	TRANSPORT PHENOMENA	3.0	MWF	0900	0950	Liberatore
80013	CHEN430B	TRANSPORT PHENOMENA	3.0	MWF	0900	0950	Way
Prereq:	CHEN 307 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 308 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 375 FOR LEVEL UG WITH MIN. GRADE OF D AND CHEN 357 FOR LEVEL UG WITH MIN. GRADE OF D AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D)						
80014	CHEN450A	UG HONORS RESEARCH	1.0				Marr
80015	CHEN450B	UG HONORS RESEARCH	2.0				Marr
80016	CHEN450C	UG HONORS RESEARCH	3.0				Marr
81223	CHEN460A	BIOPROCESS ENGINEERING	3.0	TR	0930	1045	Persichetti
Prereq:	CHEN 375 FOR LEVEL UG WITH MIN. GRADE OF D AND CHGN 428 FOR LEVEL UG WITH MIN. GRADE OF D AND CHGN 462 FOR LEVEL UG WITH MIN. GRADE OF D						
81224	CHEN461A	BIOPROCESS ENGINEERING LAB	1.0	T	1300	1550	Persichetti
81225	CHEN461B	BIOPROCESS ENGINEERING LAB	1.0	R	1300	1550	Persichetti
81978	CHEN469A	FUEL CELL SCIENCE & TECHNOLOGY	3.0	MWF	1100	1150	O'Hayre
80018	CHEN509A	ADV CHEM ENG THERMODYNAMICS	3.0	TR	0900	1015	Koh

Chemical Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
82416	CHEN516A	ADVANCED TRANSPORT I	3.0	MWF	1200	1250	Neeves
80019	CHEN518A	REACTION KINETICS & CATALS	3.0	MWF	1100	1150	Maupin
Prereq:	CHEN 418 FOR LEVEL UG WITH MIN. GRADE OF D						
82458	CHEN555A	POLYMER/COMPLEX FLUIDS COLLOQ	1.0	R	1300	1350	Liberatore
80020	CHEN568A	INTRODUCTION TO RESEARCH	3.0	TR	1530	1645	Wu
81980	CHEN569A	FUEL CELL SCIENCE & TECHNOLOGY	3.0	MWF	1100	1150	O'Hayre
80021	CHEN605A	COLLOQUIUM	1.0	F	1500	1550	Wu
80022	CHEN690A	SUPERVISED TEACHING	2.0				Marr
80030	CHEN70503	GRADUATE RESEARCH CREDIT - MS	1-12				Bunge
80031	CHEN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Ely
80952	CHEN70505	GRADUATE RESEARCH CREDIT - MS	1-12				Liberatore
80953	CHEN70506	GRADUATE RESEARCH CREDIT - MS	1-12				Agarwal
80032	CHEN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Sloan
80033	CHEN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Koh
80034	CHEN70509	GRADUATE RESEARCH CREDIT - MS	1-12				Miller
80035	CHEN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Neeves
80036	CHEN70511	GRADUATE RESEARCH CREDIT - MS	1-12				Sum
80037	CHEN70512	GRADUATE RESEARCH CREDIT - MS	1-12				Gardner
80038	CHEN70513	GRADUATE RESEARCH CREDIT - MS	1-12				Way
80039	CHEN70514	GRADUATE RESEARCH CREDIT - MS	1-12				Dorgan
80040	CHEN70515	GRADUATE RESEARCH CREDIT - MS	1-12				Marr
80041	CHEN70516	GRADUATE RESEARCH CREDIT - MS	1-12				Herring
80042	CHEN70517	GRADUATE RESEARCH CREDIT - MS	1-12				Wolden
80043	CHEN70518	GRADUATE RESEARCH CREDIT - MS	1-12				Wu
80044	CHEN70519	GRADUATE RESEARCH CREDIT - MS	1-12				Dean
82473	CHEN70520	GRADUATE RESEARCH CREDIT - MS	1-12				Maupin
82475	CHEN70521	GRADUATE RESEARCH CREDIT - MS	1-12				Wu
80045	CHEN70603	GRADUATE RESEARCH CREDIT - PHD	.5-12				Bunge
80046	CHEN70604	GRADUATE RESEARCH CREDIT - PHD	.5-12				Ely
80954	CHEN70605	GRADUATE RESEARCH CREDIT - PHD	.5-12				Liberatore
80955	CHEN70606	GRADUATE RESEARCH CREDIT - PHD	.5-12				Agarwal
80047	CHEN70607	GRADUATE RESEARCH CREDIT - PHD	.5-12				Sloan
80048	CHEN70608	GRADUATE RESEARCH CREDIT - PHD	.5-12				Koh
80049	CHEN70609	GRADUATE RESEARCH CREDIT - PHD	.5-12				Miller
80050	CHEN70610	GRADUATE RESEARCH CREDIT - PHD	.5-12				Neeves
80051	CHEN70611	GRADUATE RESEARCH CREDIT - PHD	.5-12				Sum
80052	CHEN70612	GRADUATE RESEARCH CREDIT - PHD	.5-12				Gardner
80053	CHEN70613	GRADUATE RESEARCH CREDIT - PHD	.5-12				Way
80054	CHEN70614	GRADUATE RESEARCH CREDIT - PHD	.5-12				Dorgan
80023	CHEN70615	GRADUATE RESEARCH CREDIT - PHD	.5-12				Marr
80024	CHEN70616	GRADUATE RESEARCH CREDIT - PHD	.5-12				Herring
80025	CHEN70617	GRADUATE RESEARCH CREDIT - PHD	.5-12				Wolden
80026	CHEN70618	GRADUATE RESEARCH CREDIT - PHD	.5-12				Wu
80027	CHEN70619	GRADUATE RESEARCH CREDIT - PHD	.5-12				Dean
82474	CHEN70620	GRADUATE RESEARCH CREDIT - PHD	.5-12				Maupin
82476	CHEN70621	GRADUATE RESEARCH CREDIT - PHD	.5-12				Wu

Chemistry & Geochemistry

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80028	CHGC503A	INTRO TO GEOCHEMISTRY	4.0	MW	1700	1850	Ranville
80996	CHGC506A	WATER ANALYSIS LABORATORY	2.0	R	1600	1850	Ranville
				T	1300	1450	Ranville
81513	CHGC509A	INTRO AQUEOUS GEOCHEM	3.0	M	1200	1350	Voelker
				W	1200	1250	Voelker
Prereq:	DCGN 209 FOR LEVEL UG WITH MIN. GRADE OF D OR DCGN 210 FOR LEVEL UG WITH MIN. GRADE OF D						
80029	CHGN121A	PRIN OF CHEMISTRY I (SC1)	4.0	MWF	0800	0850	Racicot
80055	CHGN121B	PRIN OF CHEMISTRY I (SC1)	4.0	MWF	1100	1150	Racicot
80056	CHGN121C	PRIN OF CHEMISTRY I (SC1)	4.0	MWF	1600	1650	Racicot
80057	CHGN121LA	PRIN OF CHEMISTRY I (SC1)	0.0	T	0800	1050	Racicot
80058	CHGN121LAA	PRIN OF CHEMISTRY I (SC1)	0.0	W	1400	1650	Racicot
80059	CHGN121LB	PRIN OF CHEMISTRY I (SC1)	0.0	T	0800	1050	Racicot
80060	CHGN121LBA	PRIN OF CHEMISTRY I (SC1)	0.0	W	1400	1650	Racicot
80061	CHGN121LC	PRIN OF CHEMISTRY I (SC1)	0.0	T	0800	1050	Racicot
80062	CHGN121LCA	PRIN OF CHEMISTRY I (SC1)	0.0	W	0800	1050	Racicot
80063	CHGN121LD	PRIN OF CHEMISTRY I (SC1)	0.0	T	1100	1350	Racicot
80064	CHGN121LDA	PRIN OF CHEMISTRY I (SC1)	0.0	W	0800	1050	Racicot
80065	CHGN121LE	PRIN OF CHEMISTRY I (SC1)	0.0	T	1100	1350	Racicot
80066	CHGN121LEA	PRIN OF CHEMISTRY I (SC1)	0.0	W	0800	1050	Racicot
80067	CHGN121LF	PRIN OF CHEMISTRY I (SC1)	0.0	T	1100	1350	Racicot
80068	CHGN121LFA	PRIN OF CHEMISTRY I (SC1)	0.0	F	1100	1350	Racicot
80069	CHGN121LG	PRIN OF CHEMISTRY I (SC1)	0.0	T	1400	1650	Racicot
81862	CHGN121LGA	PRIN OF CHEMISTRY I (SC1)	0.0	W	1100	1350	Racicot
80070	CHGN121LH	PRIN OF CHEMISTRY I (SC1)	0.0	T	1400	1650	Racicot
81863	CHGN121LHA	PRIN OF CHEMISTRY I (SC1)	0.0	W	1100	1350	Racicot
80071	CHGN121LI	PRIN OF CHEMISTRY I (SC1)	0.0	R	0800	1050	Racicot
82334	CHGN121LIA	PRIN OF CHEMISTRY I (SC1)	0.0	W	1100	1350	Racicot
80072	CHGN121LJ	PRIN OF CHEMISTRY I (SC1)	0.0	T	1400	1650	Racicot
81865	CHGN121LJA	PRIN OF CHEMISTRY I (SC1)	0.0	W	1100	1350	Racicot
80073	CHGN121LK	PRIN OF CHEMISTRY I (SC1)	0.0	R	0800	1050	Racicot
80074	CHGN121LL	PRIN OF CHEMISTRY I (SC1)	0.0	R	1400	1650	Racicot
80075	CHGN121LM	PRIN OF CHEMISTRY I (SC1)	0.0	R	0800	1050	Racicot
80076	CHGN121LN	PRIN OF CHEMISTRY I (SC1)	0.0	R	0800	1050	Racicot
80077	CHGN121LO	PRIN OF CHEMISTRY I (SC1)	0.0	W	1400	1650	Racicot
80078	CHGN121LP	PRIN OF CHEMISTRY I (SC1)	0.0	R	1100	1350	Racicot
80079	CHGN121LQ	PRIN OF CHEMISTRY I (SC1)	0.0	R	1100	1350	Racicot
80080	CHGN121LR	PRIN OF CHEMISTRY I (SC1)	0.0	R	1100	1350	Racicot
80081	CHGN121LS	PRIN OF CHEMISTRY I (SC1)	0.0	R	1400	1650	Racicot
80082	CHGN121LT	PRIN OF CHEMISTRY I (SC1)	0.0	R	1400	1650	Racicot
80083	CHGN121LU	PRIN OF CHEMISTRY I (SC1)	0.0	F	1100	1350	Racicot
80084	CHGN121LV	PRIN OF CHEMISTRY I (SC1)	0.0	W	0800	1050	Racicot
80085	CHGN121LW	PRIN OF CHEMISTRY I (SC1)	0.0	F	1100	1350	Racicot
80086	CHGN121LX	PRIN OF CHEMISTRY I (SC1)	0.0	F	1100	1350	Racicot
80087	CHGN121LY	PRIN OF CHEMISTRY I (SC1)	0.0	W	1400	1650	Racicot
80088	CHGN121LZ	PRIN OF CHEMISTRY I (SC1)	0.0	R	1400	1650	Racicot
81523	CHGN122A	PRIN OF CHEMISTRY II (SC1)	4.0	MWF	1400	1450	Seger
Prereq:	CHGN 121 FOR LEVEL UG WITH MIN. GRADE OF C						
81524	CHGN122LA	PRIN OF CHEMISTRY II (SC1)	0.0	F	0800	1050	Seger
81525	CHGN122LB	PRIN OF CHEMISTRY II (SC1)	0.0	F	0800	1050	Seger

Chemistry & Geochemistry

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81526	CHGN122LC	PRIN OF CHEMISTRY II (SC1)	0.0	F	0800	1050	Seger
81962	CHGN122LD	PRIN OF CHEMISTRY II (SC1)	0.0	T	1400	1650	Seger
81963	CHGN122LE	PRIN OF CHEMISTRY II (SC1)	0.0	R	1100	1350	Seger
82080	CHGN122LF	PRIN OF CHEMISTRY II (SC1)	0.0	T	0800	1050	Seger
82081	CHGN122LG	PRIN OF CHEMISTRY II (SC1)	0.0	F	0800	1050	Seger
82082	CHGN122LH	PRIN OF CHEMISTRY II (SC1)	0.0	T	1100	1350	Seger
80094	CHGN221A	ORGANIC CHEMISTRY I	3.0	MWF	1000	1050	Cowley
Prereq:	(CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF C AND CHGN 126 FOR LEVEL UG WITH MIN. GRADE OF C) OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF C						
80990	CHGN223A	ORGANIC CHEMISTRY I LAB	1.0	R	0800	1050	Cowley
80991	CHGN223B	ORGANIC CHEMISTRY I LAB	1.0	T	1100	1350	Cowley
80992	CHGN223C	ORGANIC CHEMISTRY I LAB	1.0	T	1400	1650	Cowley
80993	CHGN223D	ORGANIC CHEMISTRY I LAB	1.0	T	0800	1050	Cowley
81091	CHGN223E	ORGANIC CHEMISTRY I LAB	1.0	R	1100	1350	Cowley
Prereq:	CHGN 221 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80095	CHGN336A	ANALYTICAL CHEMISTRY	3.0	MWF	1200	1250	Yang
Prereq:	(DCGN 209 FOR LEVEL UG WITH MIN. GRADE OF D OR DCGN 210 FOR LEVEL UG WITH MIN. GRADE OF D)						
82060	CHGN337A	ANALYTICAL CHEMISTRY LAB	1.0	R	0800	1050	Voelker
80994	CHGN337B	ANALYTICAL CHEMISTRY LAB	1.0	T	0800	1050	Voelker
Prereq:	CHGN 336 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81493	CHGN341A	DESCRIPTIVE INORGANIC CHEM	3.0	MWF	1000	1050	Richards
Prereq:	CHGN 222 FOR LEVEL UG WITH MIN. GRADE OF C AND (DCGN 209 FOR LEVEL UG WITH MIN. GRADE OF C OR DCGN 210 FOR LEVEL UG WITH MIN. GRADE OF C)						
80096	CHGN351A	PHYSICAL CHEMISTRY: MOLECULAR	4.0	MWF	1300	1350	Wu
82031	CHGN351B	PHYSICAL CHEMISTRY: MOLECULAR	4.0	MWF	1300	1350	Ely
80097	CHGN351LA	PHYSICAL CHEMISTRY: MOLECULAR	0.0	T	1400	1650	Wu
80098	CHGN351LB	PHYSICAL CHEMISTRY: MOLECULAR	0.0	T	1100	1350	Wu
80099	CHGN351LC	PHYSICAL CHEMISTRY: MOLECULAR	0.0	R	1400	1650	Wu
80995	CHGN351LD	PHYSICAL CHEMISTRY: MOLECULAR	0.0	R	1100	1350	Wu
81918	CHGN351LE	PHYSICAL CHEMISTRY: MOLECULAR	0.0	W	1400	1650	Wu
Prereq:	(DCGN 209 FOR LEVEL UG WITH MIN. GRADE OF C OR DCGN 210 FOR LEVEL UG WITH MIN. GRADE OF C) AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND PHGN 200 FOR LEVEL UG WITH MIN. GRADE OF D AND (CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF C OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF C)						
81494	CHGN395A	INTRO UNDERGRADUATE RESEARCH	1.0	F	0800	0850	Ranville
82335	CHGN428A	INTRODUCTORY BIOCHEMISTRY	3.0	MWF	1000	1050	
Prereq:	CHGN 222 FOR LEVEL UG WITH MIN. GRADE OF D						
81564	CHGN429A	INTRO TO BIOCHEMISTRY II	3.0	MWF	1100	1150	Posewitz
Prereq:	CHGN 428 FOR LEVEL UG WITH MIN. GRADE OF D						
81964	CHGN430A	INTRO TO POLYMER SCIENCE	3.0	TR	1100	1215	Boyes
80101	CHGN495A	UNDERGRADUATE RESEARCH	1-5	F	0800	0850	Ranville
80102	CHGN497A	INTERNSHIP	1-6				
80103	CHGN505A	ORGNC REACTN MECHANISMS	3.0	MWF	1400	1450	Tamayo
80104	CHGN507A	ADV ANALYTICAL CHEMISTRY	3.0	MWF	1500	1550	Williams
82461	CHGN555A	POLYMER/COMPLEX FLUIDS COLLOQ	1.0	R	1300	1350	Liberatore

Chemistry & Geochemistry

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80105	CHGN560A	CHEMISTRY GRAD SEMINAR - MSC	1.0	T	1716	1830	Boyes
				F	1600	1730	Boyes
80106	CHGN660A	CHEMISTRY GRAD SEMINAR - PHD	1.0	T	1700	1830	Boyes
				F	1600	1730	Boyes
80107	CHGN70502	GRADUATE RESEARCH CREDIT - MS	1-12				Ranville
80109	CHGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Voelker
80112	CHGN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Voorhees
80113	CHGN70513	GRADUATE RESEARCH CREDIT - MS	1-12				Cowley
80115	CHGN70515	GRADUATE RESEARCH CREDIT - MS	1-12				Knauss
80116	CHGN70517	GRADUATE RESEARCH CREDIT - MS	1-12				Eberhart
80118	CHGN70520	GRADUATE RESEARCH CREDIT - MS	1-12				Wu
80119	CHGN70521	GRADUATE RESEARCH CREDIT - MS	1-12				Williams
80984	CHGN70523	GRADUATE RESEARCH CREDIT - MS	1-12				Boyes
81194	CHGN70524	GRADUATE RESEARCH CREDIT - MS	1-12				Richards
81312	CHGN70526	GRADUATE RESEARCH CREDIT - MS	1-12				Posewitz
81527	CHGN70527	GRADUATE RESEARCH CREDIT - MS	1-12				Tamayo
82336	CHGN70528	GRADUATE RESEARCH CREDIT - MS	1-12				Yang
80120	CHGN70602	GRADUATE RESEARCH CREDIT - PHD	1-15				Ranville
80122	CHGN70604	GRADUATE RESEARCH CREDIT - PHD	1-15				Voelker
80125	CHGN70610	GRADUATE RESEARCH CREDIT - PHD	1-15				Voorhees
80126	CHGN70613	GRADUATE RESEARCH CREDIT - PHD	1-15				Cowley
80128	CHGN70615	GRADUATE RESEARCH CREDIT - PHD	1-15				Knauss
80129	CHGN70617	GRADUATE RESEARCH CREDIT - PHD	1-15				Eberhart
80130	CHGN70619	GRADUATE RESEARCH CREDIT - PHD	1-15				Mandernack
80131	CHGN70620	GRADUATE RESEARCH CREDIT - PHD	1-15				Wu
80132	CHGN70621	GRADUATE RESEARCH CREDIT - PHD	1-15				Williams
80985	CHGN70623	GRADUATE RESEARCH CREDIT - PHD	1-15				Boyes
81195	CHGN70625	GRADUATE RESEARCH CREDIT - PHD	1-15				Richards
81313	CHGN70626	GRADUATE RESEARCH CREDIT - PHD	1-15				Posewitz
81528	CHGN70627	GRADUATE RESEARCH CREDIT - PHD	1-15				Tamayo
82337	CHGN70628	GRADUATE RESEARCH CREDIT - PHD	1-15				Yang

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80216	EBGN201A	PRIN OF ECONOMICS	3.0	MW	1100	1150	Houser
80217	EBGN201B	PRIN OF ECONOMICS	3.0	MW	1400	1450	Houser
80218	EBGN201R01	PRIN OF ECONOMICS	0.0	R	0900	0950	Houser
80225	EBGN201R02	PRIN OF ECONOMICS	0.0	R	1000	1050	Houser
80226	EBGN201R03	PRIN OF ECONOMICS	0.0	R	1100	1150	Houser
80227	EBGN201R04	PRIN OF ECONOMICS	0.0	R	1300	1350	Houser
80228	EBGN201R05	PRIN OF ECONOMICS	0.0	R	1400	1450	Houser
80229	EBGN201R06	PRIN OF ECONOMICS	0.0	R	1500	1550	Houser
80230	EBGN201R07	PRIN OF ECONOMICS	0.0	F	0800	0850	Houser
80231	EBGN201R08	PRIN OF ECONOMICS	0.0	F	0900	0950	Houser
80232	EBGN201R09	PRIN OF ECONOMICS	0.0	F	1000	1050	Houser
80983	EBGN201R10	PRIN OF ECONOMICS	0.0	F	1100	1150	Houser
80219	EBGN201R11	PRIN OF ECONOMICS	0.0	F	1300	1350	Houser
80220	EBGN201R12	PRIN OF ECONOMICS	0.0	F	1400	1450	Houser
80221	EBGN201R13	PRIN OF ECONOMICS	0.0	R	1400	1450	Houser
80222	EBGN201R14	PRIN OF ECONOMICS	0.0	F	1100	1150	Houser
80223	EBGN201R15	PRIN OF ECONOMICS	0.0	R	1100	1150	Houser
80224	EBGN201R16	PRIN OF ECONOMICS	0.0	F	0900	0950	Houser
81093	EBGN201R17	PRIN OF ECONOMICS	0.0	R	1200	1250	Houser
81094	EBGN201R18	PRIN OF ECONOMICS	0.0	F	1200	1250	Houser
81322	EBGN201R19	PRIN OF ECONOMICS	0.0	R	1200	1250	Houser
81323	EBGN201R20	PRIN OF ECONOMICS	0.0	R	1300	1350	Houser
81324	EBGN201R21	PRIN OF ECONOMICS	0.0	F	1200	1250	Houser
81325	EBGN201R22	PRIN OF ECONOMICS	0.0	F	1300	1350	Houser
81326	EBGN201R23	PRIN OF ECONOMICS	0.0	F	1400	1450	Houser
81327	EBGN201R24	PRIN OF ECONOMICS	0.0	R	1100	1150	Houser
81553	EBGN301A	INTERMEDIATE MICROECONOMICS	3.0	MWF	0900	0950	Houser
Prereq:	EBGN 201 FOR LEVEL UG WITH MIN. GRADE OF D AND (MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D)						
81554	EBGN302A	INTERMEDIATE MACROECONOMICS	3.0	MWF	1300	1350	
80233	EBGN305A	FINANCIAL ACCOUNTING	3.0	TR	1100	1215	Dozoretz
80234	EBGN305B	FINANCIAL ACCOUNTING	3.0	TR	1230	1345	Dozoretz
80238	EBGN325A	OPERATIONS RESEARCH	3.0	TR	0930	1045	Newman
Prereq:	(MACS 111 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 111 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 122 FOR LEVEL UG WITH MIN. GRADE OF D)						
80239	EBGN330A	ENERGY ECONOMICS	3.0	MW	1800	1915	Piper
Prereq:	EBGN 201 FOR LEVEL UG WITH MIN. GRADE OF D						
82435	EBGN340A	ENERGY & ENVIRONMENTAL POLICY	3.0	TR	1400	1515	Kaffine
Prereq:	EBGN 201 FOR LEVEL UG WITH MIN. GRADE OF D OR EBGN 211 FOR LEVEL UG WITH MIN. GRADE OF D						
81417	EBGN443A	PUBLIC ECONOMICS	3.0	TR	1230	1345	Balistreri
Prereq:	EBGN 301 FOR LEVEL UG WITH MIN. GRADE OF D OR EBGN 411 FOR LEVEL UG WITH MIN. GRADE OF D						
80240	EBGN455A	LINEAR PROGRAMMING	3.0	TR	1100	1215	Newman
Prereq:	EBGN 409 FOR LEVEL UG WITH MIN. GRADE OF D OR (MACS 332 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 332 FOR LEVEL UG WITH MIN. GRADE OF D) OR (MATH 348 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 348 FOR LEVEL UG WITH MIN. GRADE OF D)						
80242	EBGN509A	MATHEMATICAL ECONOMICS	3.0	TR	0930	1045	Kaffine

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81644	EBGN510A	NATURAL RESOURCE ECONOMY	3.0	TR	1400	1515	Eggert
80244	EBGN525A	OPERATIONS RESEARCH METHODS	3.0	TR	1230	1345	Rebennack
81977	EBGN528A	INDUSTRIAL SYSTEMS SIMULATION	3.0	TR	0800	0915	Rebennack
80246	EBGN530A	ENERGY ECONOMICS	3.0	MW	1530	1645	Dahl
80972	EBGN535A	ECON OF METAL INDUSTRIES & MKT	3.0	R	1530	1815	Tilton
82300	EBGN545A	CORPORATE FINANCE	3.0	R	1530	1815	Walls
80247	EBGN555A	LINEAR PROGRAMMING	3.0	TR	1100	1215	Newman
81145	EBGN560A	DECISION ANALYSIS	3.0	F	1000	1245	Walls
82301	EBGN563A	MANAGEMENT OF TECHNOLOGY	3.0	MW	1500	1615	Heeley
82424	EBGN565A	MARKETING FOR TECH-BASED COMPN	3.0	MW	1100	1215	Heeley
81552	EBGN569A	BUSINESS ETHICS	3.0	T	1730	2045	Weiss
81421	EBGN575A	ADV MINERL ASSET VALUATN	3.0	MW	1400	1515	Davis
80248	EBGN585A	ENG & TECH MGMT CAPSTONE	3.0	TR	1400	1515	Mathews
80249	EBGN611A	ADV MICROECONOMICS	3.0	TR	0930	1045	Balistreri
81850	EBGN690A	ADV ECONOMETRICS	3.0	MW	1230	1345	Dahl
81146	EBGN695A	RESEARCH METHODOLOGY	3.0	MW	0930	1045	Davis
80823	EBGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				Dahl
80978	EBGN70502	GRADUATE RESEARCH CREDIT - MS	1-12				Newman
80824	EBGN70503	GRADUATE RESEARCH CREDIT - MS	1-12				Tilton
80825	EBGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Eggert
80826	EBGN70505	GRADUATE RESEARCH CREDIT - MS	1-12				Heeley
80827	EBGN70506	GRADUATE RESEARCH CREDIT - MS	1-12				Cuddington
80828	EBGN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Walls
80979	EBGN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Davis
81535	EBGN70509	GRADUATE RESEARCH CREDIT - MS	1-12				Mathews
81628	EBGN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Kaffine
82425	EBGN70511	GRADUATE RESEARCH CREDIT - MS	1-12				Rebennack
80830	EBGN70514	GRADUATE RESEARCH CREDIT - MS	1-12				Balistreri
80831	EBGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Dahl
80980	EBGN70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Newman
80832	EBGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Tilton
80833	EBGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Eggert
80834	EBGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Heeley
80835	EBGN70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Cuddington
80836	EBGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Walls
80981	EBGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Davis
81534	EBGN70609	GRADUATE RESEARCH CREDIT - PHD	1-12				Mathews
81630	EBGN70610	GRADUATE RESEARCH CREDIT - PHD	1-12				Kaffine
82426	EBGN70611	GRADUATE RESEARCH CREDIT - PHD	1-12				Rebennack
80838	EBGN70614	GRADUATE RESEARCH CREDIT - PHD	1-12				Balistreri

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82504	EGGN205A	INTRO TO PROG AND ENG ANALYSIS	3.0	MWF	1000	1050	
82505	EGGN205B	INTRO TO PROG AND ENG ANALYSIS	3.0	MW	1700	1815	
Prereq:	MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 113 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D						
80769	EGGN250A	MULTIDISCIPLINARY EG LAB I	1.5.0	T	0800	1050	
80770	EGGN250B	MULTIDISCIPLINARY EG LAB I	1.5.0	T	1100	1350	
80771	EGGN250C	MULTIDISCIPLINARY EG LAB I	1.5.0	T	1400	1650	
80772	EGGN250D	MULTIDISCIPLINARY EG LAB I	1.5.0	W	1400	1650	
81422	EGGN250E	MULTIDISCIPLINARY EG LAB I	1.5.0	R	0800	1050	
80773	EGGN250F	MULTIDISCIPLINARY EG LAB I	1.5.0	R	1100	1350	
80774	EGGN250G	MULTIDISCIPLINARY EG LAB I	1.5.0	R	1400	1650	
81154	EGGN250H	MULTIDISCIPLINARY EG LAB I	1.5.0	W	1800	2050	
Prereq:	(DCGN 381 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR EGGN 381 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
81057	EGGN307A	INTRO TO FEEDBACK CONTROL SYS	3.0	MWF	0900	0950	Vincent
81874	EGGN307B	INTRO TO FEEDBACK CONTROL SYS	3.0	MWF	1000	1050	
Prereq:	(DCGN 381 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 381 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 215 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D)						
80775	EGGN315A	DYNAMICS	3.0	MWF	1300	1350	Zhang
80776	EGGN315B	DYNAMICS	3.0	MWF	0900	0950	Zhang
82274	EGGN315C	DYNAMICS	3.0	MWF	1000	1050	Zhang
Prereq:	DCGN 241 FOR LEVEL UG WITH MIN. GRADE OF D AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D)						
80777	EGGN320A	MECHANICS OF MATERIALS	3.0	MWF	0800	0850	Sulzbach
80778	EGGN320B	MECHANICS OF MATERIALS	3.0	MWF	1300	1350	
80779	EGGN320C	MECHANICS OF MATERIALS	3.0	MWF	0900	0950	
81875	EGGN320D	MECHANICS OF MATERIALS	3.0	MWF	1000	1050	
81120	EGGN325A	INTRO TO BIOMEDICAL ENGINEERIN	3.0	TR	1230	1345	Bach
80780	EGGN340A	COOP ED - EG	3.0				
80781	EGGN342A	ELEM STRUCTURAL THEORY	3.0	MWF	1100	1150	Crocker
80782	EGGN350A	MULTIDISCIPLINARY EG LAB II	1.5.0	T	0800	1050	
80783	EGGN350B	MULTIDISCIPLINARY EG LAB II	1.5.0	T	1100	1350	
80938	EGGN350C	MULTIDISCIPLINARY EG LAB II	1.5.0	T	1400	1650	
82275	EGGN350D	MULTIDISCIPLINARY EG LAB II	1.5.0	R	0800	1050	
80784	EGGN350F	MULTIDISCIPLINARY EG LAB II	1.5.0	R	1100	1350	
81299	EGGN350G	MULTIDISCIPLINARY EG LAB II	1.5.0	R	1400	1650	
Prereq:	EGGN 250 FOR LEVEL UG WITH MIN. GRADE OF D AND EGGN 351 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) AND EGGN 320 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80973	EGGN351B	FLUID MECHANICS	3.0	MWF	0900	0950	
82089	EGGN351C	FLUID MECHANICS	3.0	MWF	1100	1150	

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80974	EGGN351R01	FLUID MECHANICS RECITATION	0.0	M	1400	1450	
80975	EGGN351R02	FLUID MECHANICS RECITATION	0.0	M	1500	1550	
81043	EGGN351R03	FLUID MECHANICS RECITATION	0.0	W	1400	1450	
81044	EGGN351R04	FLUID MECHANICS RECITATION	0.0	W	1500	1550	
81428	EGGN351R05	FLUID MECHANICS RECITATION	0.0	F	1400	1450	
Prereq:	DCGN 241 FOR LEVEL UG WITH MIN. GRADE OF D OR MNGN 317 FOR LEVEL UG WITH MIN. GRADE OF D						
80785	EGGN353A	FUND OF ENVIRON SCI & ENGIN I	3.0	MWF	1300	1350	Sharp
Prereq:	PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D AND (CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF D OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D)						
82269	EGGN354A	FUND OF ENVIRON SCI & ENGIN II	3.0	MWF	1000	1050	
Prereq:	(CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF D OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D AND (MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D)						
80786	EGGN361A	SOIL MECHANICS	3.0	MWF	0900	0950	Wang
80787	EGGN363A	SOIL MECHANICS LAB	1.0	T	0800	1050	Wayllace
80788	EGGN363B	SOIL MECHANICS LAB	1.0	T	1300	1550	Wayllace
80789	EGGN363C	SOIL MECHANICS LAB	1.0	R	0800	1050	Wayllace
80998	EGGN363D	SOIL MECHANICS LAB	1.0	R	1300	1550	Wayllace
Prereq:	EGGN 361 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80790	EGGN371A	THERMODYNAMICS I	3.0	MWF	0900	0950	
80791	EGGN371B	THERMODYNAMICS I	3.0	MWF	1000	1050	Riedel
80792	EGGN371C	THERMODYNAMICS I	3.0	MWF	1400	1450	Braun
82374	EGGN371R01	THERMODYNAMICS I	0.0	M	1400	1450	
82375	EGGN371R02	THERMODYNAMICS I	0.0	M	1500	1550	
82376	EGGN371R03	THERMODYNAMICS I	0.0	W	1400	1450	
82377	EGGN371R04	THERMODYNAMICS I	0.0	W	1500	1550	
82378	EGGN371R05	THERMODYNAMICS I	0.0	F	1400	1450	
Prereq:	MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D						
82418	EGGN381A	INTRO TO CIRCUITS	3.0	MWF	1000	1050	Ammerman
82428	EGGN381B	INTRO TO CIRCUITS	3.0	TR	0930	1045	
82419	EGGN381C	INTRO TO CIRCUITS	3.0	MWF	1400	1450	Ammerman
Prereq:	PHGN 200 FOR LEVEL UG WITH MIN. GRADE OF D						
80793	EGGN382A	ENGNRNG CIRCUIT ANALYSIS	3.0	MWF	1500	1550	Dave
80875	EGGN384A	DIGITAL LOGIC	4.0	MWF	1000	1050	Dave
Prereq:	(DCGN 381 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 381 FOR LEVEL UG WITH MIN. GRADE OF D)						
80876	EGGN384LA	DIGITAL LOGIC	0.0	T	1100	1350	
80877	EGGN384LB	DIGITAL LOGIC	0.0	T	1400	1650	
80878	EGGN385A	ELEC DEV/CIRCUITS	4.0	MWF	1100	1150	Schwalter
81162	EGGN385LA	ELEC DEV/CIRCUITS	0.0	R	1100	1350	Schwalter
80879	EGGN385LB	ELEC DEV/CIRCUITS	0.0	R	1400	1650	Schwalter
Prereq:	(EGGN 382 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 215 FOR LEVEL UG WITH MIN. GRADE OF D)						

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80794	EGGN388A	INFORMATION SYSTEMS SCIENCE	3.0	MWF	1300	1350	
82276	EGGN388B	INFORMATION SYSTEMS SCIENCE	3.0	MWF	1100	1150	Wakin
81053	EGGN388R01	INFORMATION SYSTEMS SCIENCE	0.0	M	1400	1450	Wakin
81054	EGGN388R02	INFORMATION SYSTEMS SCIENCE	0.0	W	1400	1450	Wakin
81055	EGGN388R03	INFORMATION SYSTEMS SCIENCE	0.0	R	1100	1150	Wakin
81056	EGGN388R04	INFORMATION SYSTEMS SCIENCE	0.0	F	1400	1450	Wakin
81429	EGGN388R05	INFORMATION SYSTEMS SCIENCE	0.0	F	1500	1550	Wakin
Prereq:	(DCGN 381 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 381 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 215 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MATH 348 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 348 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
80880	EGGN389A	FUND ELECTRIC MACHINRY I	4.0	MWF	1500	1550	Sen
80881	EGGN389LA	FUND ELECTRIC MACHINRY I	0.0	T	1100	1350	
80882	EGGN389LB	FUND ELECTRIC MACHINRY I	0.0	T	1400	1650	
Prereq:	EGGN 382 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 215 FOR LEVEL UG WITH MIN. GRADE OF D						
80795	EGGN400A	INTRO TO ROBOTICS	3.0	MW	1100	1150	Steele
81163	EGGN400LA	INTRO TO ROBOTICS	0.0	R	1100	1350	Steele
81164	EGGN400LB	INTRO TO ROBOTICS	0.0	R	1400	1650	Steele
Prereq:	(MACS 261 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 261 FOR LEVEL UG WITH MIN. GRADE OF D) AND (DCGN 381 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 381 FOR LEVEL UG WITH MIN. GRADE OF D)						
81430	EGGN403A	THERMODYNAMICS II	3.0	MWF	1100	1150	Braun
Prereq:	EGGN 371 FOR LEVEL UG WITH MIN. GRADE OF D						
81996	EGGN408A	INTRO TO SPACE EXPLORATION	1.0	M	1800	1850	Abbud Madrid
80883	EGGN411A	MACHINE DESIGN	4.0	MWF	1000	1050	
82278	EGGN411B	MACHINE DESIGN	4.0	MWF	1500	1550	Riedel
Prereq:	(EGGN 315 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 350 FOR LEVEL UG WITH MIN. GRADE OF D) AND EPIC 251 FOR LEVEL UG WITH MIN. GRADE OF D AND EGGN 320 FOR LEVEL UG WITH MIN. GRADE OF D AND EGGN 413 FOR LEVEL UG WITH MIN. GRADE OF D						
80884	EGGN411LA	MACHINE DESIGN	0.0	T	1100	1350	Riedel
80885	EGGN411LB	MACHINE DESIGN	0.0	T	1400	1650	Riedel
81431	EGGN411LC	MACHINE DESIGN	0.0	R	1230	1520	
80796	EGGN413A	COMPUTER-AIDED ENGNRNG	3.0	MW	1100	1215	Mustoe
80797	EGGN413B	COMPUTER-AIDED ENGNRNG	3.0	MW	1100	1215	
80798	EGGN413C	COMPUTER-AIDED ENGNRNG	3.0	MW	1230	1345	King
81035	EGGN413D	COMPUTER-AIDED ENGNRNG	3.0	MW	1500	1615	King
Prereq:	EGGN 320 FOR LEVEL UG WITH MIN. GRADE OF D						
81877	EGGN417A	MODERN CONTROL DESIGN	3.0	MWF	1400	1450	Vincent
Prereq:	EGGN 307 FOR LEVEL UG WITH MIN. GRADE OF D						
80799	EGGN422A	ADVANCED MECHANICS OF MTRLS	3.0	TR	1230	1345	Ciobanu
Prereq:	EGGN 320 FOR LEVEL UG WITH MIN. GRADE OF D AND EGGN 413 FOR LEVEL UG WITH MIN. GRADE OF D						
81432	EGGN428A	COMPUTATIONAL BIOMECHANICS	3.0	MW	1400	1515	Petrella
Prereq:	EGGN 413 FOR LEVEL UG WITH MIN. GRADE OF D AND (EGGN 420 FOR LEVEL UG WITH MIN. GRADE OF D OR BELS 420 FOR LEVEL UG WITH MIN. GRADE OF D)						

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82410	EGGN433A	SURVEYING II	3.0	MW	1000	1050	Sulzbach
				R	1300	1550	Sulzbach
Prereq:	EGGN 234 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 233 FOR LEVEL UG WITH MIN. GRADE OF D						
80800	EGGN444A	DESIGN OF STEEL STRUCTURES	3.0	MWF	1300	1350	Crocker
80801	EGGN445A	DESIGN OF REINFORCED CNCRETE	3.0	TR	1100	1215	Kiousis
Prereq:	EGGN 342 FOR LEVEL UG WITH MIN. GRADE OF D						
80802	EGGN450A	MULTIDISCIPLINARY EG LAB III	1.0	M	1100	1350	
80803	EGGN450B	MULTIDISCIPLINARY EG LAB III	1.0	M	1400	1650	
80804	EGGN450C	MULTIDISCIPLINARY EG LAB III	1.0	W	0800	1050	
80805	EGGN450D	MULTIDISCIPLINARY EG LAB III	1.0	W	1100	1350	
80806	EGGN450E	MULTIDISCIPLINARY EG LAB III	1.0	W	1400	1650	
81089	EGGN450F	MULTIDISCIPLINARY EG LAB III	1.0	M	1800	2050	
Prereq:	(EGGN 350 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 382 FOR LEVEL UG WITH MIN. GRADE OF D) AND EGGN 351 FOR LEVEL UG WITH MIN. GRADE OF D AND EGGN 320 FOR LEVEL UG WITH MIN. GRADE OF D AND (EGGN 407 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR EGGN 307 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
80807	EGGN453A	WASTEWATER ENGINEERING	3.0	MWF	1100	1150	Figueroa
Prereq:	ESGN 353 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 353 FOR LEVEL UG WITH MIN. GRADE OF D						
80808	EGGN464A	FOUNDATIONS	3.0	MWF	1400	1450	
Prereq:	EGGN 361 FOR LEVEL UG WITH MIN. GRADE OF D						
81972	EGGN469A	FUEL CELL SCIENCE & TECHNOLOGY	3.0	MWF	1100	1150	Sullivan
Prereq:	EGGN 371 FOR LEVEL UG WITH MIN. GRADE OF D OR CHEN 357 FOR LEVEL UG WITH MIN. GRADE OF D OR MTGN 351 FOR LEVEL UG WITH MIN. GRADE OF D						
80809	EGGN471A	HEAT TRANSFER	3.0	MWF	0900	0950	Kee
80810	EGGN471B	HEAT TRANSFER	3.0	MWF	1400	1450	Porter
Prereq:	(MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND EGGN 351 FOR LEVEL UG WITH MIN. GRADE OF D AND (EGGN 371 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 341 FOR LEVEL UG WITH MIN. GRADE OF D)						
82502	EGGN481A	DIGITAL SIGNAL PROCESSING	3.0	MWF	1000	1050	Vincent
Prereq:	EGGN 388 FOR LEVEL UG WITH MIN. GRADE OF D						
80886	EGGN482A	MICROCOMPUTER ARCHITECTURE	4.0	MWF	1300	1350	Hoff
80887	EGGN482LA	MICROCOMPUTER ARCHITECTURE	0.0	R	1100	1350	Hoff
Prereq:	EGGN 384 FOR LEVEL UG WITH MIN. GRADE OF D						
80811	EGGN484A	POWER SYSTEMS ANALYSIS	3.0	MWF	0900	0950	Ammerman
Prereq:	EGGN 389 FOR LEVEL UG WITH MIN. GRADE OF D						
82436	EGGN490A	SUSTAINABLE ENGINEERING DESIGN	3.0	MW	1400	1450	Munakata Marr
				F	1400	1450	Munakata Marr

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80812	EGGN491A	SENIOR DESIGN I	3.0	TR	0800	0915	Turner
81045	EGGN491R01	SENIOR DESIGN I	0.0	TR	0916	1050	
81046	EGGN491R02	SENIOR DESIGN I	0.0	TR	0916	1050	
81047	EGGN491R03	SENIOR DESIGN I	0.0	TR	0916	1050	
81048	EGGN491R04	SENIOR DESIGN I	0.0	TR	0916	1050	Turner
81049	EGGN491R05	SENIOR DESIGN I	0.0	TR	0916	1050	
81050	EGGN491R06	SENIOR DESIGN I	0.0	TR	0916	1050	
81051	EGGN491R07	SENIOR DESIGN I	0.0	TR	0916	1050	
81052	EGGN491R08	SENIOR DESIGN I	0.0	TR	0916	1050	
81639	EGGN491R09	SENIOR DESIGN I	0.0	TR	0916	1050	
Prereq:	(EGGN 234 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 334 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 335 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND (EPIC 251 FOR LEVEL UG WITH MIN. GRADE OF D OR EPIC 252 FOR LEVEL UG WITH MIN. GRADE OF D)						
80813	EGGN492A	SENIOR DESIGN II	3.0	TR	0800	0915	Turner
81167	EGGN492R01	SENIOR DESIGN II	0.0	TR	0916	1050	
81168	EGGN492R02	SENIOR DESIGN II	0.0	TR	0916	1050	
81169	EGGN492R03	SENIOR DESIGN II	0.0	TR	0916	1050	
Prereq:	EGGN 491 FOR LEVEL UG WITH MIN. GRADE OF D						
81171	EGGN501A	ADV ENGINRNG MEASURMENTS	4.0	TR	0930	1045	Mooney
81172	EGGN501LA	ADV ENGINRNG MEASURMENTS	0.0	F	0800	1050	Schowalter
81436	EGGN501LB	ADV ENGINRNG MEASURMENTS	0.0	F	1400	1650	Schowalter
81173	EGGN502A	INTRDSP MODLING&SIMULATN	4.0	TR	1230	1345	Berger
81174	EGGN502LA	INTRDSP MODLING&SIMULATN	0.0	F	1100	1215	Berger
81975	EGGN502LB	INTRDSP MODLING&SIMULATN	0.0	F	1230	1345	Berger
80508	EGGN504A	EG GRAD COLL MS-AUTOMATION	1.0	T	1230	1330	Moore
81032	EGGN504B	EG GRAD COLL MS - POWER	1.0	T	1700	1750	Sen
81033	EGGN504C	EG GRAD COLL MS - MECHANICAL	1.0	R	1600	1650	Bach
81034	EGGN504D	EG GRAD COLL MS - CIVIL	1.0				Gutierrez
80509	EGGN510A	MULTIDIMENSIONAL SIGNAL PROC	3.0	TR	1700	1815	Hoff
80510	EGGN515A	MATH METHODS FOR SIGNALS & SYS	3.0	TR	0800	0915	Moore
80940	EGGN518A	ROBOT MECH:KINEMATICS,DYN,CTRL	3.0	MW	1600	1715	Steele
81437	EGGN528A	COMPUTATIONAL BIOMECHANICS	3.0	MW	1400	1515	Petrella
82270	EGGN532A	FATIGUE & FRACTURE	3.0	TR	0930	1045	Berger
81170	EGGN534A	SOIL BEHAVIOR	3.0	TR	1230	1345	Gutierrez
Prereq:	(EGGN 361 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 461 FOR LEVEL UG WITH MIN. GRADE OF D)						
82281	EGGN535A	INTRO DISCRETE ELEM METH	3.0	MW	1600	1715	Mustoe
82282	EGGN536A	HILLSLOPE HYDROLOGY & STABILIT	3.0	MW	1600	1715	Lu
82283	EGGN543A	STRUCTURAL DYNAMICS	3.0	TR	1300	1415	Kiousis
80941	EGGN566A	COMBUSTION	3.0	TR	1400	1515	Bogin
81985	EGGN569A	FUEL CELL SCIENCE & TECHNOLOGY	3.0	MWF	1100	1150	Sullivan
82284	EGGN581A	MDRN ADJSTBLE SPEED ELEC DRIVE	3.0	R	1700	1945	Simoes
81986	EGGN584A	POWER DISTRIBUTION SYSTEMS	3.0	M	1630	1915	Sen
82285	EGGN587A	POWER SYSTEMS CONTROL OPS	3.0	W	1630	1915	Mohagheghi
Prereq:	EGGN 484 FOR LEVEL UG WITH MIN. GRADE OF D						
80512	EGGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				Sen
81097	EGGN70502	GRADUATE RESEARCH CREDIT - MS	1-12				Skokan
81444	EGGN70503	GRADUATE RESEARCH CREDIT - MS	1-12				Turner
81260	EGGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Sullivan

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80513	EGGN70505	GRADUATE RESEARCH CREDIT - MS	1-12				King
80514	EGGN70506	GRADUATE RESEARCH CREDIT - MS	1-12				Griffiths
81338	EGGN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Petrella
80515	EGGN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Munoz
80516	EGGN70509	GRADUATE RESEARCH CREDIT - MS	1-12				Mustoe
80517	EGGN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Mooney
80518	EGGN70511	GRADUATE RESEARCH CREDIT - MS	1-12				Simoes
80519	EGGN70512	GRADUATE RESEARCH CREDIT - MS	1-12				Zhang
81883	EGGN70513	GRADUATE RESEARCH CREDIT - MS	1-12				Porter
80520	EGGN70514	GRADUATE RESEARCH CREDIT - MS	1-12				Hoff
80521	EGGN70515	GRADUATE RESEARCH CREDIT - MS	1-12				Steele
80522	EGGN70516	GRADUATE RESEARCH CREDIT - MS	1-12				Parker
80523	EGGN70517	GRADUATE RESEARCH CREDIT - MS	1-12				Berger
80524	EGGN70518	GRADUATE RESEARCH CREDIT - MS	1-12				Lu
80525	EGGN70519	GRADUATE RESEARCH CREDIT - MS	1-12				Kee
80526	EGGN70520	GRADUATE RESEARCH CREDIT - MS	1-12				Vincent
81087	EGGN70521	GRADUATE RESEARCH CREDIT - MS	1-12				Moore
80528	EGGN70525	GRADUATE RESEARCH CREDIT - MS	1-12				Mohagheghi
80529	EGGN70526	GRADUATE RESEARCH CREDIT - MS	1-12				Kiousis
80530	EGGN70527	GRADUATE RESEARCH CREDIT - MS	1-12				Bach
80532	EGGN70531	GRADUATE RESEARCH CREDIT - MS	1-12				Ciobanu
81005	EGGN70532	GRADUATE RESEARCH CREDIT - MS	1-12				Johnson
81314	EGGN70534	GRADUATE RESEARCH CREDIT - MS	1-12				Braun
81330	EGGN70535	GRADUATE RESEARCH CREDIT - MS	1-12				Wang
81332	EGGN70536	GRADUATE RESEARCH CREDIT - MS	1-12				Wakin
81334	EGGN70537	GRADUATE RESEARCH CREDIT - MS	1-12				Gutierrez
81336	EGGN70538	GRADUATE RESEARCH CREDIT - MS	1-12				Silverman
80533	EGGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Sen
81098	EGGN70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Skokan
81445	EGGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Turner
81114	EGGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Sullivan
80534	EGGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				King
80535	EGGN70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Griffiths
81115	EGGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Petrella
80536	EGGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Munoz
80537	EGGN70609	GRADUATE RESEARCH CREDIT - PHD	1-12				Mustoe
80538	EGGN70610	GRADUATE RESEARCH CREDIT - PHD	1-12				Mooney
80539	EGGN70611	GRADUATE RESEARCH CREDIT - PHD	1-12				Simoes
80540	EGGN70612	GRADUATE RESEARCH CREDIT - PHD	1-12				Zhang
81884	EGGN70613	GRADUATE RESEARCH CREDIT - PHD	1-12				Porter
80541	EGGN70614	GRADUATE RESEARCH CREDIT - PHD	1-12				Hoff
80542	EGGN70615	GRADUATE RESEARCH CREDIT - PHD	1-12				Steele
80543	EGGN70616	GRADUATE RESEARCH CREDIT - PHD	1-12				Parker
80544	EGGN70617	GRADUATE RESEARCH CREDIT - PHD	1-12				Berger
80545	EGGN70618	GRADUATE RESEARCH CREDIT - PHD	1-12				Lu
80546	EGGN70619	GRADUATE RESEARCH CREDIT - PHD	1-12				Kee
80547	EGGN70620	GRADUATE RESEARCH CREDIT - PHD	1-12				Vincent
81088	EGGN70621	GRADUATE RESEARCH CREDIT - PHD	1-12				Moore
80549	EGGN70625	GRADUATE RESEARCH CREDIT - PHD	1-12				Mohagheghi
80550	EGGN70626	GRADUATE RESEARCH CREDIT - PHD	1-12				Kiousis

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80551	EGGN70627	GRADUATE RESEARCH CREDIT - PHD	1-12				Bach
80553	EGGN70631	GRADUATE RESEARCH CREDIT - PHD	1-12				Ciobanu
81006	EGGN70632	GRADUATE RESEARCH CREDIT - PHD	1-12				Johnson
81315	EGGN70634	GRADUATE RESEARCH CREDIT - PHD	1-12				Braun
81331	EGGN70635	GRADUATE RESEARCH CREDIT - PHD	1-12				Wang
81333	EGGN70636	GRADUATE RESEARCH CREDIT - PHD	1-12				Wakin
81335	EGGN70637	GRADUATE RESEARCH CREDIT - PHD	1-12				Gutierrez
81337	EGGN70638	GRADUATE RESEARCH CREDIT - PHD	1-12				Silverman

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80815	ESGN353A	FUND OF ENVIRON SCI & ENGIN I	3.0	MWF	1300	1350	Sharp
Prereq:	PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D AND (CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF D OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D)						
82256	ESGN354A	FUND OF ENVIRON SCI & ENGIN II	3.0	MWF	1000	1050	Rodriguez
81148	ESGN401A	FUNDAMENTALS OF ECOLOGY	3.0	W	1800	2100	Ryan
80424	ESGN440A	ENV POLLUTION: SRCS,CHAR,TRNS	3.0	MWF	0900	0950	Cohen
80425	ESGN453A	WASTEWATER ENGINEERING	3.0	MWF	1100	1150	Figueroa
80816	ESGN462A	WASTE MINMZATN & RECYCLN	3.0	R	1800	2100	Queneau
Prereq:	(EGGN 353 FOR LEVEL UG WITH MIN. GRADE OF D OR ESGN 353 FOR LEVEL UG WITH MIN. GRADE OF D) OR (EGGN 354 FOR LEVEL UG WITH MIN. GRADE OF D OR ESGN 354 FOR LEVEL UG WITH MIN. GRADE OF D)						
80967	ESGN500A	PRIN ENVIRONMENTAL CHEM	3.0	TR	0930	1045	Higgins
80427	ESGN503A	ENVIRONMENTAL POLLUTION	3.0	TR	1100	1215	McCray
80966	ESGN504A	TREATMNT OF WATER&WASTES	3.0	M	1730	2030	Cath
81383	ESGN520A	SURFACE WATER QUALITY MODELING	3.0	T	1730	2030	Cohen
82257	ESGN528A	MATH MODEL OF ENVIRON SYSTEMS	3.0	TR	1400	1515	Illangasekare
80428	ESGN562A	WASTE MINMZATN & RECYCLN	3.0	R	1800	2100	Queneau
81991	ESGN582A	INTEGR SURFACE WATER HYDROLOGY	3.0	MW	1430	1550	Maxwell
Prereq:	(GEGN 466 FOR LEVEL UG WITH MIN. GRADE OF D OR GEGN 467 FOR LEVEL UG WITH MIN. GRADE OF D) AND (GEGN 351 FOR LEVEL UG WITH MIN. GRADE OF D OR EGGN 351 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D)						
80968	ESGN586A	MOLECULAR MICROBIAL ECOLOGY	4.0	M	1730	2100	Spear
81574	ESGN590A	ENV SCI & ENGR SEMINAR SERIES	0.0	R	1230	1350	Figueroa
80430	ESGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				Cohen
80431	ESGN70502	GRADUATE RESEARCH CREDIT - MS	1-12				Drewes
80432	ESGN70503	GRADUATE RESEARCH CREDIT - MS	1-12				McCray
80433	ESGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Posewitz
81036	ESGN70505	GRADUATE RESEARCH CREDIT - MS	1-12				Cath
80434	ESGN70506	GRADUATE RESEARCH CREDIT - MS	1-12				Figueroa
80435	ESGN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Honeyman
81379	ESGN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Sharp
80436	ESGN70509	GRADUATE RESEARCH CREDIT - MS	1-12				Siegrist
81381	ESGN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Higgins
80437	ESGN70511	GRADUATE RESEARCH CREDIT - MS	1-12				Munakata Marr
80438	ESGN70513	GRADUATE RESEARCH CREDIT - MS	1-12				Illangasekare
80439	ESGN70514	GRADUATE RESEARCH CREDIT - MS	1-12				Spear
80440	ESGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Cohen
80441	ESGN70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Drewes
80442	ESGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				McCray
80443	ESGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Posewitz
81037	ESGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Cath
80444	ESGN70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Figueroa
80445	ESGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Honeyman
81380	ESGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Sharp
80446	ESGN70609	GRADUATE RESEARCH CREDIT - PHD	1-12				Siegrist

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81382	ESGN70610	GRADUATE RESEARCH CREDIT - PHD	1-12				Higgins
80447	ESGN70611	GRADUATE RESEARCH CREDIT - PHD	1-12				Munakata Marr
80448	ESGN70613	GRADUATE RESEARCH CREDIT - PHD	1-12				Illangasekare
80449	ESGN70614	GRADUATE RESEARCH CREDIT - PHD	1-12				Spear

EPICS

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80250	EPIC151A	DESIGN (EPICS) I	3.0	W M F	0800 0800 0800	0950 0950 0850	
80251	EPIC151B	DESIGN (EPICS) I	3.0	W M F	0800 0800 0800	0950 0950 0850	
80252	EPIC151C	DESIGN (EPICS) I	3.0	F W M	0900 0800 0800	0950 0950 0950	
80253	EPIC151D	DESIGN (EPICS) I	3.0	W M F	0800 0800 0900	0950 0950 0950	
80254	EPIC151E	DESIGN (EPICS) I	3.0	T R F	1000 1000 1000	1150 1150 1050	
80255	EPIC151F	DESIGN (EPICS) I	3.0	T R F	1000 1000 1000	1150 1150 1050	
80256	EPIC151G	DESIGN (EPICS) I	3.0	F T R	1100 1000 1000	1150 1150 1150	
80257	EPIC151H	DESIGN (EPICS) I	3.0	F T R	1100 1000 1000	1150 1150 1150	
80258	EPIC151I	DESIGN (EPICS) I	3.0	W M F	1300 1300 1300	1450 1450 1350	
80259	EPIC151J	DESIGN (EPICS) I	3.0	W M F	1300 1300 1300	1450 1450 1350	
80260	EPIC151K	DESIGN (EPICS) I	3.0	F W M	1400 1300 1300	1450 1450 1450	
80261	EPIC151L	DESIGN (EPICS) I	3.0	F W M	1400 1300 1300	1450 1450 1450	
80262	EPIC151M	DESIGN (EPICS) I	3.0	T R F	1500 1500 1500	1650 1650 1550	
80263	EPIC151N	DESIGN (EPICS) I	3.0	T R F	1500 1500 1500	1650 1650 1550	
80264	EPIC151Q	DESIGN (EPICS) I	3.0	T R F	1500 1500 1600	1650 1650 1650	
80265	EPIC151R	DESIGN (EPICS) I	3.0	F T R	1600 1500 1500	1650 1650 1650	

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80266	EPIC151S	DESIGN (EPICS) I	3.0	W	1700	1850	
				M	1700	1850	
				F	1700	1750	
80267	EPIC151T	DESIGN (EPICS) I	3.0	W	1700	1850	
				M	1700	1850	
				F	1700	1750	
81328	EPIC151U	DESIGN (EPICS) I	3.0	F	1800	1850	
				W	1700	1850	
				M	1700	1850	
81329	EPIC151V	DESIGN (EPICS) I	3.0	F	1800	1850	
				W	1700	1850	
				M	1700	1850	
81604	EPIC151W	DESIGN (EPICS) I	3.0	T	0800	0950	
				R	0800	0950	
				F	0700	0750	
81605	EPIC151X	DESIGN (EPICS) I	3.0	T	0800	0950	
				R	0800	0950	
				F	0700	0750	
82107	EPIC155A	EPICS I GRAPHICS	1.0				
80268	EPIC251A	DESIGN (EPICS) II-Planetary EG	3.0	F	1000	1050	
				M	1000	1150	
				W	1000	1150	
80269	EPIC251B	DESIGN (EPICS) II-Planetary EG	3.0	F	1000	1050	
				M	1000	1150	
				W	1000	1150	
80270	EPIC251C	DESIGN (EPICS) II-GIS Imagery	3.0	F	0800	0850	
				R	0800	0950	
				T	0800	0950	
80272	EPIC251E	DESIGN (EPICS) II	3.0	M	1000	1150	
				W	1000	1150	
				F	1100	1150	
80273	EPIC251G	DESIGN (EPICS) II	3.0	F	1300	1350	
				R	1300	1450	
				T	1300	1450	
80274	EPIC251H	DESIGN (EPICS) II	3.0	F	1300	1350	
				R	1300	1450	
				T	1300	1450	
80275	EPIC251I	DESIGN (EPICS) II	3.0	F	1400	1450	
				R	1300	1450	
				T	1300	1450	
80947	EPIC251J	DESIGN (EPICS) II	3.0	R	1300	1450	
				T	1300	1450	
				F	1400	1450	
81813	EPIC251K	DESIGN (EPICS) II	3.0	F	1500	1550	
				M	1500	1650	
				W	1500	1650	
81814	EPIC251L	DESIGN (EPICS) II	3.0	F	1500	1550	
				M	1500	1650	
				W	1500	1650	

EPICS

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
82311	EPIC251M	DESIGN (EPICS) II	3.0	M	1500	1650	
				W	1500	1650	
				F	1600	1650	
82312	EPIC251N	DESIGN (EPICS) II	3.0	M	1500	1650	
				W	1500	1650	
				F	1600	1650	
81227	EPIC251Q	DESIGN (EPICS) II-AutoCAD	3.0	M	1900	2050	
				W	1900	2050	
81228	EPIC251R	DESIGN (EPICS) II-AutoCAD	3.0	M	1900	2050	
				W	1900	2050	
81231	EPIC251S	DESIGN (EPICS) II	3.0	M	1900	2050	
				W	1900	2050	
81815	EPIC251T	DESIGN (EPICS) II	3.0	M	1900	2050	
				W	1900	2050	
82460	EPIC251U	DESIGN (EPICS) II -BIOCHM PROC	3.0	TR	0800	0915	Sloan
81816	EPIC252A	LEADERSHIP DESIGN II	4.0	F	1000	1150	
				M	1000	1150	
				W	1000	1150	
Prereq: EPIC 151 FOR LEVEL UG WITH MIN. GRADE OF D							

Geology & Geological Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81944	GEGN203A	ENGINEERING TERRAIN ANALYSIS	2.0	MW	1100	1150	Santi
81945	GEGN204A	GEOLOGIC PRINCIPLES&PROCESSES	2.0	MW	1000	1050	Humphrey
Prereq:	SYGN 101 FOR LEVEL UG WITH MIN. GRADE OF D AND GEGN 205 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81946	GEGN205A	ADV PHYSICAL GEOLOGY LAB	1.0	T	0900	1150	Santi
81947	GEGN205B	ADV PHYSICAL GEOLOGY LAB	1.0	T	1300	1550	Santi
81948	GEGN205C	ADV PHYSICAL GEOLOGY LAB	1.0	R	0900	1150	Santi
Prereq:	SYGN 101 FOR LEVEL UG WITH MIN. GRADE OF D AND (GEGN 203 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR GEGN 204 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
81193	GEGN212A	PETROLOGY FOR GEOL ENGR	2.0	T	0800	0850	Kelly
Prereq:	GEGN 206 FOR LEVEL UG WITH MIN. GRADE OF D						
81261	GEGN212LA	PETROLOGY FOR GEOL ENGR LAB	0.0	T	0900	1150	Kelly
82061	GEGN212LB	PETROLOGY FOR GEOL ENGR LAB	0.0	T	1300	1550	Kelly
80847	GEGN401A	MINERAL DEPOSITS	4.0	MWF	0800	0850	Hitzman
80848	GEGN401LA	MINERAL DEPOSITS	0.0	R	1300	1550	Hitzman
Prereq:	GEGN 316 FOR LEVEL UG WITH MIN. GRADE OF D AND (DCGN 209 FOR LEVEL UG WITH MIN. GRADE OF D OR DCGN 210 FOR LEVEL UG WITH MIN. GRADE OF D)						
80944	GEGN432A	GEOLOGICAL DATA MANAGEMENT	3.0	TR	1800	2050	Zhou
80849	GEGN438A	PETROLEUM GEOLOGY	4.0	MWF	1200	1250	Curtis
80850	GEGN438LA	PETROLEUM GEOLOGY	0.0	W	1300	1550	Curtis
Prereq:	(GEOL 309 FOR LEVEL UG WITH MIN. GRADE OF D OR GEOL 308 FOR LEVEL UG WITH MIN. GRADE OF D) AND (GEOL 314 FOR LEVEL UG WITH MIN. GRADE OF D OR GEOL 315 FOR LEVEL UG WITH MIN. GRADE OF D) AND (GEGN 316 FOR LEVEL UG WITH MIN. GRADE OF D OR GPGN 486 FOR LEVEL UG WITH MIN. GRADE OF D OR PEGN 316 FOR LEVEL UG WITH MIN. GRADE OF D)						
80590	GEGN466A	GROUNDWATER ENGINEERING	3.0	MW	0830	0950	Smits
Prereq:	(MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND GEOL 309 FOR LEVEL UG WITH MIN. GRADE OF D AND GEOL 315 FOR LEVEL UG WITH MIN. GRADE OF D AND EGGN 351 FOR LEVEL UG WITH MIN. GRADE OF D						
80591	GEGN467A	GROUNDWATER ENGINEERING	4.0	MW	1100	1215	Smits
Prereq:	GEOL 315 FOR LEVEL UG WITH MIN. GRADE OF D OR GEOL 314 FOR LEVEL UG WITH MIN. GRADE OF D AND GEGN 351 FOR LEVEL UG WITH MIN. GRADE OF D AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND GEOL 309 FOR LEVEL UG WITH MIN. GRADE OF D						
81008	GEGN467LA	GROUNDWATER ENGINEERING	0.0	W	1230	1520	Smits
82021	GEGN467LB	GROUNDWATER ENGINEERING	0.0	W	1230	1520	Smits
80592	GEGN468A	ENGR GEOLOGY & GEOTECHNC	4.0	MWF	1000	1050	Higgins
82423	GEGN468LA	ENGR GEOLOGY & GEOTECHNC	0.0	R	1300	1550	Higgins
Prereq:	MNGN 321 FOR LEVEL UG WITH MIN. GRADE OF D AND EGGN 361 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) AND EGGN 363 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
82440	GEGN503A	INTEGRATED EXPLORATION & DEV	3.0	R	1300	1450	Fleckenstein
				T	1300	1550	Fleckenstein
82438	GEGN504A	INTEGRATED EXPLORATION & DEV	3.0				
81511	GEGN509A	INTRO AQUEOUS GEOCHEM	3.0	W	1200	1250	Voelker
				M	1200	1350	Voelker
82341	GEGN570A	CASE HIST ENGR & HYDROGE	3.0	W	1300	1550	Santi
82339	GEGN581A	ANALYTICAL HYDROLOGY	3.0	TR	1400	1515	Benson

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81990	GEGN582A	INTEGR SURFACE WATER HYDROLOGY	3.0	MW	1430	1550	Maxwell
82004	GEGN584A	FIELD METHODS IN HYDROLOGY	3.0	F	0900	1600	Benson
Prereq:	GEGN 466 FOR LEVEL UG WITH MIN. GRADE OF D OR GEGN 467 FOR LEVEL UG WITH MIN. GRADE OF D OR ESGN 527 FOR LEVEL GR WITH MIN. GRADE OF D						
82345	GEGN671A	LANDSLIDES: INVEST, ANLY, MITI	3.0	TR	1600	1715	Higgins
80593	GEGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				Benson
80594	GEGN70511	GRADUATE RESEARCH CREDIT - MS	1-12				Higgins
80595	GEGN70516	GRADUATE RESEARCH CREDIT - MS	1-12				Poeter
81393	GEGN70520	GRADUATE RESEARCH CREDIT - MS	1-12				Maxwell
80596	GEGN70521	GRADUATE RESEARCH CREDIT - MS	1-12				McCray
80597	GEGN70523	GRADUATE RESEARCH CREDIT - MS	1-12				Santi
81264	GEGN70532	GRADUATE RESEARCH CREDIT - MS	1-12				Zhou
80598	GEGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Benson
80599	GEGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Turner
80600	GEGN70611	GRADUATE RESEARCH CREDIT - PHD	1-12				Higgins
80601	GEGN70616	GRADUATE RESEARCH CREDIT - PHD	1-12				Poeter
81394	GEGN70620	GRADUATE RESEARCH CREDIT - PHD	1-12				Maxwell
80602	GEGN70621	GRADUATE RESEARCH CREDIT - PHD	1-12				McCray
80603	GEGN70623	GRADUATE RESEARCH CREDIT - PHD	1-12				Santi
81265	GEGN70632	GRADUATE RESEARCH CREDIT - PHD	1-12				Zhou
80840	GEOL309A	STRUCTURAL GEOL & TECTONICS	4.0	MW	1300	1550	Trudgill
Prereq:	SYGN 101 FOR LEVEL UG WITH MIN. GRADE OF D AND GEGN 202 FOR LEVEL UG WITH MIN. GRADE OF D AND (GEGN 206 FOR LEVEL UG WITH MIN. GRADE OF D OR GPGN 210 FOR LEVEL UG WITH MIN. GRADE OF D)						
81189	GEOL310A	EARTH MATERIALS AND RESOURCES	4.0	W	1100	1250	Monecke
				M	1100	1150	Monecke
81190	GEOL310LA	EARTH MATERIALS AND RESOURCES	0.0	R	1000	1250	Monecke
Prereq:	SYGN 101 FOR LEVEL UG WITH MIN. GRADE OF D						
80841	GEOL315A	SEDIMENTOLOGY & STRATIGRAPHY	3.0	MW	0800	0850	Duncan
80842	GEOL315LA	SEDIMENTOLOGY & STRATIGRAPHY	0.0	T	0800	1050	Duncan
80843	GEOL315LB	SEDIMENTOLOGY & STRATIGRAPHY	0.0	R	0800	1050	Duncan
80844	GEOL315LC	SEDIMENTOLOGY & STRATIGRAPHY	0.0	F	1400	1650	Duncan
81395	GEOL315LD	SEDIMENTOLOGY & STRATIGRAPHY	0.0	W	1400	1650	Duncan
81038	GEOL315LE	SEDIMENTOLOGY & STRATIGRAPHY	0.0	T	1700	1950	Duncan
Prereq:	SYGN 101 FOR LEVEL UG WITH MIN. GRADE OF D AND PEGN 308 FOR LEVEL UG WITH MIN. GRADE OF D						
80845	GEOL321A	MINERALOGY & MIN CHARACTER	3.0	MW	0800	0850	Wendlandt
80846	GEOL321LA	MINERALOGY & MIN CHARACTER	0.0	R	0800	1050	Wendlandt
82469	GEOL321LB	MINERALOGY & MIN CHARACTER	0.0	T	0800	1050	Wendlandt
Prereq:	SYGN 101 FOR LEVEL UG WITH MIN. GRADE OF D AND (CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF D OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND GEGN 206 FOR LEVEL UG WITH MIN. GRADE OF D						
81039	GEOL501A	APPLIED STRATIGRAPHY	4.0	M	1300	1550	Plink-Bjorklund
81040	GEOL501LA	APPLIED STRATIGRAPHY	0.0	W	1300	1550	Plink-Bjorklund
80945	GEOL502A	STRCTL METHODS SEISMIC INTERP	3.0	R	1300	1550	Trudgill
82025	GEOL515A	ADVANCED MINERAL DEPOSITS	3.0	TF	1000	1150	Hitzman
Prereq:	GEGN 401 FOR LEVEL UG WITH MIN. GRADE OF D						
82162	GEOL520A	NEW DEVEL GEOL & EXPLORATION	2.0				Monecke
81124	GEOL530A	CLAY CHARACTERIZATION	1.0	M	1000	1050	Wendlandt
81125	GEOL609A	ADV PETROLEUM GEOLOGY	3.0	T	1800	2050	Sonnenberg

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82451	GEOL611A	DYNAMIC STRATIGRAPHY	3.0	W	0900	1150	Plink-Bjorklund
81811	GEOL613A	GEOLGC RESERVOIR CHARACTRZ	3.0	W	1800	2050	Sonnenberg
82338	GEOL624A	CARBONATE SED PETROLOGY	3.0	TR	1100	1215	Humphrey
82343	GEOL628A	ADV IGNEOUS PETROLOGY	3.0	MW	1300	1350	Wendlandt
82344	GEOL628LA	ADV IGNEOUS PETROLOGY	0.0	W	1400	1650	Wendlandt
81343	GEOL70502	GRADUATE RESEARCH CREDIT - MS	1-12				Kelly
80555	GEOL70503	GRADUATE RESEARCH CREDIT - MS	1-12				Romberger
80554	GEOL70504	GRADUATE RESEARCH CREDIT - MS	1-12				Schwinger
81111	GEOL70506	GRADUATE RESEARCH CREDIT - MS	1-12				Sonnenberg
80558	GEOL70507	GRADUATE RESEARCH CREDIT - MS	1-12				Closs
82015	GEOL70508	GRADUATE RESEARCH CREDIT - MS	1-12				Boak
80560	GEOL70509	GRADUATE RESEARCH CREDIT - MS	1-12				Curtis
80561	GEOL70510	GRADUATE RESEARCH CREDIT - MS	1-12				Harrison
80562	GEOL70513	GRADUATE RESEARCH CREDIT - MS	1-12				Humphrey
80563	GEOL70514	GRADUATE RESEARCH CREDIT - MS	1-12				Hitzman
80564	GEOL70515	GRADUATE RESEARCH CREDIT - MS	1-12				Nelson
80565	GEOL70517	GRADUATE RESEARCH CREDIT - MS	1-12				Wendlandt
81542	GEOL70518	GRADUATE RESEARCH CREDIT - MS	1-12				Aschoff
81567	GEOL70519	GRADUATE RESEARCH CREDIT - MS	1-12				Monecke
82005	GEOL70522	GRADUATE RESEARCH CREDIT - MS	1-12				Sarg
80566	GEOL70524	GRADUATE RESEARCH CREDIT - MS	1-12				Trudgill
80567	GEOL70525	GRADUATE RESEARCH CREDIT - MS	1-12				Anderson
80556	GEOL70528	GRADUATE RESEARCH CREDIT - MS	1-12				Pyles
80949	GEOL70529	GRADUATE RESEARCH CREDIT - MS	1-12				Plink-Bjorklund
80557	GEOL70530	GRADUATE RESEARCH CREDIT - MS	1-12				Bouroullec
81266	GEOL70531	GRADUATE RESEARCH CREDIT - MS	1-12				Dykstra
81344	GEOL70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Kelly
80569	GEOL70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Romberger
80568	GEOL70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Harris
81112	GEOL70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Sonnenberg
80570	GEOL70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Schwinger
82016	GEOL70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Boak
80572	GEOL70609	GRADUATE RESEARCH CREDIT - PHD	1-12				Curtis
80573	GEOL70610	GRADUATE RESEARCH CREDIT - PHD	1-12				Harrison
80575	GEOL70613	GRADUATE RESEARCH CREDIT - PHD	1-12				Humphrey
80576	GEOL70614	GRADUATE RESEARCH CREDIT - PHD	1-12				Hitzman
80577	GEOL70615	GRADUATE RESEARCH CREDIT - PHD	1-12				Nelson
80578	GEOL70617	GRADUATE RESEARCH CREDIT - PHD	1-12				Wendlandt
81543	GEOL70618	GRADUATE RESEARCH CREDIT - PHD	1-12				Aschoff
81568	GEOL70619	GRADUATE RESEARCH CREDIT - PHD	1-12				Monecke
82006	GEOL70622	GRADUATE RESEARCH CREDIT - PHD	1-12				Sarg
80580	GEOL70624	GRADUATE RESEARCH CREDIT - PHD	1-12				Trudgill
80581	GEOL70625	GRADUATE RESEARCH CREDIT - PHD	1-12				Anderson
80579	GEOL70628	GRADUATE RESEARCH CREDIT - PHD	1-12				Pyles
80950	GEOL70629	GRADUATE RESEARCH CREDIT - PHD	1-12				Plink-Bjorklund
81267	GEOL70631	GRADUATE RESEARCH CREDIT - PHD	1-12				Dykstra

Geophysics

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82420	GPGN200A	INTRODUCTION TO GEOPHYSICS	3.0	MWF	0900	0950	Young
Prereq:	(PHGN 200 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 210 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D)						
80656	GPGN303A	INTRO GRAVITY, MAGNET & ELECTR	4.0	MWF	1400	1450	Krahenbuhl
81041	GPGN303LA	INTRO GRAVITY, MAGNET & ELECTR	0.0	T	0900	1150	Krahenbuhl
Prereq:	(MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D) AND (PHGN 200 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 210 FOR LEVEL UG WITH MIN. GRADE OF D) AND GPGN 210 FOR LEVEL UG WITH MIN. GRADE OF D AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND (PHGN 311 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 348 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 348 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
80657	GPGN315A	GEOPHYS FIELD INVESTIGATION	2.0	R	0800	1345	Batzle
Prereq:	(GEOL 309 FOR LEVEL UG WITH MIN. GRADE OF D OR GEOL 308 FOR LEVEL UG WITH MIN. GRADE OF D)						
81514	GPGN322A	THEORY OF FIELDS II: TIME-VARY	3.0	MWF	0900	0950	Snieder
Prereq:	GPGN 321 FOR LEVEL UG WITH MIN. GRADE OF D						
80659	GPGN404A	DIGITAL SIGNAL ANALYSIS	3.0	F	1000	1050	Hale
				MW	1000	1050	Hale
Prereq:	(MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D)						
81558	GPGN411A	ADV GRAVITY & MAGNETIC METHODS	4.0	MWF	1300	1350	Li
81559	GPGN411LA	ADV GRAVITY & MAGNETIC METHODS	0.0				Li
Prereq:	GPGN 303 FOR LEVEL UG WITH MIN. GRADE OF D						
80660	GPGN419A	WELL LOG ANLYS & WELL FORM	3.0	T	1400	1450	Prasad
				F	0800	0850	Prasad
81515	GPGN419LA	WELL LOG ANLYS & WELL FORM	0.0	R	1300	1550	Prasad
81517	GPGN419LB	WELL LOG ANLYS & WELL FORM	0.0	R	1300	1550	Prasad
81516	GPGN419LC	WELL LOG ANLYS & WELL FORM	0.0	R	1600	1850	Prasad
81518	GPGN419LD	WELL LOG ANLYS & WELL FORM	0.0	R	1600	1850	Prasad
Prereq:	(MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND GPGN 302 FOR LEVEL UG WITH MIN. GRADE OF D AND GPGN 303 FOR LEVEL UG WITH MIN. GRADE OF D						
80661	GPGN438A	GEOPHYSICS PRJCT DESIGN	1-3				Young
Prereq:	GPGN 302 FOR LEVEL UG WITH MIN. GRADE OF D AND GPGN 303 FOR LEVEL UG WITH MIN. GRADE OF D						
81562	GPGN461A	ADV SEISMIC METHODS	4.0	MWF	1100	1150	Lynn
81563	GPGN461LA	ADV SEISMIC METHODS	0.0	R	0900	1150	Lynn
Prereq:	GPGN 302 FOR LEVEL UG WITH MIN. GRADE OF D AND GPGN 404 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						

Geophysics

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82013	GPGN475A	PLANETARY GEOPHYSICS	3.0	MWF	1400	1450	Andrews-Hanna
Prereq:	PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D AND (MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D) AND (GEGN 202 FOR LEVEL UG WITH MIN. GRADE OF D OR GEOL 410 FOR LEVEL UG WITH MIN. GRADE OF D)						
82315	GPGN503A	INTEGRATED EXPLORTION & DEV	3.0	R	1300	1450	Davis
				T	1300	1550	Davis
82450	GPGN504A	INTEGRATED EXPLORATION & DEV	3.0				
80662	GPGN509A	PHYS&CHEM PROP&PRCS ROCK	3.0	MWF	1000	1050	Revil
81520	GPGN511A	ADV GRAVITY & MAGNETIC EXPLR	4.0	MWF	1300	1350	Li
80663	GPGN540A	MINING GEOPHYSICS	3.0				
80664	GPGN551A	WAVE PHENOMENA SEMINAR	1.0	MW	1600	1650	Tsvankin
80665	GPGN552A	INTRO TO SEISMOLOGY	3.0	T	1000	1115	Tsvankin
				R	1130	1245	Tsvankin
80937	GPGN561A	SEISMIC DATA PROCESSING I	3.0	R	0900	1150	Lynn
				MWF	1100	1150	Lynn
80666	GPGN581A	GRADUATE SEMINAR - MSC	1.0	R	1600	1650	Young
82316	GPGN651A	ADVANCED SEISMOLOGY	3.0	T	1300	1550	Tsvankin
80997	GPGN658A	SEISMIC MIGRATION	3.0	MWF	1300	1450	Sava
80667	GPGN681A	GRADUATE SEMINAR - PHD	1.0	R	1600	1650	Young
80668	GPGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				Davis
81819	GPGN70502	GRADUATE RESEARCH CREDIT - MS	1-12				Andrews-Hanna
80669	GPGN70503	GRADUATE RESEARCH CREDIT - MS	1-12				Hale
80670	GPGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Sava
80671	GPGN70505	GRADUATE RESEARCH CREDIT - MS	1-12				Li
80672	GPGN70506	GRADUATE RESEARCH CREDIT - MS	1-12				Olhoeft
80673	GPGN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Batzle
81083	GPGN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Revil
80674	GPGN70509	GRADUATE RESEARCH CREDIT - MS	1-12				Snieder
80675	GPGN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Young
80676	GPGN70512	GRADUATE RESEARCH CREDIT - MS	1-12				Tsvankin
80677	GPGN70515	GRADUATE RESEARCH CREDIT - MS	1-12				Boyd
80678	GPGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Davis
81820	GPGN70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Andrews-Hanna
80679	GPGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Hale
80680	GPGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Sava
80681	GPGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Li
80682	GPGN70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Olhoeft
80683	GPGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Batzle
81084	GPGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Revil
80684	GPGN70609	GRADUATE RESEARCH CREDIT - PHD	1-12				Snieder
80685	GPGN70610	GRADUATE RESEARCH CREDIT - PHD	1-12				Young
80686	GPGN70612	GRADUATE RESEARCH CREDIT - PHD	1-12				Tsvankin
80687	GPGN70615	GRADUATE RESEARCH CREDIT - PHD	1-12				Boyd

Liberal Arts & International Studies

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81196	LAIS100A01	NATURE & HUMAN VALUES	4.0	MWF	0900	0950	
				M	1200	1250	
81197	LAIS100A02	NATURE & HUMAN VALUES	4.0	MWF	1000	1050	
				M	1200	1250	
81198	LAIS100A03	NATURE & HUMAN VALUES	4.0	MWF	1100	1150	
				M	1200	1250	
81199	LAIS100A04	NATURE & HUMAN VALUES	4.0	MWF	1300	1350	Miller
				M	1200	1250	Miller
81200	LAIS100A05	NATURE & HUMAN VALUES	4.0	MWF	1400	1450	
				M	1200	1250	
81201	LAIS100A06	NATURE & HUMAN VALUES	4.0	MWF	1500	1550	
				M	1200	1250	
81202	LAIS100A07	NATURE & HUMAN VALUES	4.0	MWF	0900	0950	
				M	1200	1250	
81203	LAIS100A08	NATURE & HUMAN VALUES	4.0	MWF	1000	1050	Holles
				M	1200	1250	Holles
81204	LAIS100A09	NATURE & HUMAN VALUES	4.0	MWF	1100	1150	
				M	1200	1250	
81205	LAIS100A10	NATURE & HUMAN VALUES	4.0	MWF	1300	1350	Holles
				M	1200	1250	Holles
81206	LAIS100A11	NATURE & HUMAN VALUES	4.0	MWF	1400	1450	
				M	1200	1250	
81305	LAIS100A12	NATURE & HUMAN VALUES	4.0	MWF	1500	1550	
				M	1200	1250	
81307	LAIS100A13	NATURE & HUMAN VALUES	4.0	MWF	0900	0950	
				M	1200	1250	
81317	LAIS100A14	NATURE & HUMAN VALUES	4.0	MWF	1000	1050	
				M	1200	1250	
81318	LAIS100A15	NATURE & HUMAN VALUES	4.0	MWF	1100	1150	
				M	1200	1250	
82384	LAIS100A16	NATURE & HUMAN VALUES	4.0	MWF	1300	1350	
81207	LAIS100B01	NATURE & HUMAN VALUES	4.0	TR	0930	1045	Richman
				T	1300	1350	Richman
82386	LAIS100B02	NATURE & HUMAN VALUES	4.0	T	1300	1350	Richman
				TR	1100	1215	Richman
81208	LAIS100B03	NATURE & HUMAN VALUES	4.0	TR	1400	1515	Pass
				T	1300	1350	Pass
81209	LAIS100B04	NATURE & HUMAN VALUES	4.0	TR	1500	1645	Pass
				T	1300	1350	Pass
81210	LAIS100B05	NATURE & HUMAN VALUES	4.0	TR	0930	1045	Farca
				T	1300	1350	Farca
82383	LAIS100B06	NATURE & HUMAN VALUES	4.0	T	1300	1350	Farca
				TR	1100	1215	Farca
82382	LAIS100B07	NATURE & HUMAN VALUES	4.0	TR	1400	1515	Richman
				T	1300	1350	Richman
81214	LAIS100B09	NATURE & HUMAN VALUES	4.0	TR	0930	1045	
				T	1300	1350	

Liberal Arts & International Studies

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81215	LAIS100B10	NATURE & HUMAN VALUES	4.0	T	1300	1350	
				TR	1100	1215	
81319	LAIS100B11	NATURE & HUMAN VALUES	4.0	TR	1400	1515	Heller
				T	1300	1350	Heller
82385	LAIS100B12	NATURE & HUMAN VALUES	4.0	T	1300	1350	Heller
				TR	1530	1645	Heller
81306	LAIS100B13	NATURE & HUMAN VALUES	4.0	T	1300	1350	
				TR	0930	1045	
81915	LAIS100B14	NATURE & HUMAN VALUES	4.0	T	1300	1350	Woodson
				TR	1100	1215	Woodson
81321	LAIS100B15	NATURE & HUMAN VALUES	4.0	TR	1400	1515	
				T	1300	1350	
80919	LAIS101A	SHORT FORM NATURE & HUMAN VALU	2.0	T	1400	1515	Lefton
81887	LAIS300A	CREATIVE WRITING: FICTION	3.0	TR	1230	1345	Lefton
81888	LAIS301A	CREATIVE WRITING: POETRY	3.0	W	1800	2050	Lefton
81910	LAIS309A	LITERATURE & SOCIETY	3.0	W	1800	2050	Straker
81911	LAIS311A	BRITISH LIT-MEDIEVAL TO MODERN	3.0	MWF	1000	1050	Miller
Prereq:	(LAIS 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 101 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 101 FOR LEVEL UG WITH MIN. GRADE OF D) AND SYGN 200 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80921	LAIS320A	ETHICS	3.0	TR	1800	1915	Mitcham
82388	LAIS322A	LOGIC	3.0	TR	1400	1515	Von Glinski
Prereq:	(LAIS 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 101 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 101 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 100 FOR LEVEL UG WITH MIN. GRADE OF D) AND SYGN 200 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81892	LAIS337A	INTL POLITICAL ECONOMY OF ASIA	3.0	TR	1400	1515	Jesudason
82389	LAIS339A	INTL POL ECON MIDDLE EAST	3.0	MWF	1400	1450	Amery
82390	LAIS365A	HISTORY OF WAR	3.0	TR	0930	1045	Caughey
Prereq:	(LIHU 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 101 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 101 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 100 FOR LEVEL UG WITH MIN. GRADE OF D) AND SYGN 200 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
82422	LAIS404A	WOMEN, LITERATURE & SOCIETY	3.0	TR	1100	1215	Gianquitto
82393	LAIS407A	SCIENCE IN LITERATURE	3.0	TR	1400	1515	Gianquitto
82394	LAIS409A	SHAKESPERIAN DRAMA	3.0	TR	0930	1045	Pass
82395	LAIS411A	LIT OF THE AFRICAN WORLD	3.0	M	1800	2050	Straker
82396	LAIS419A	MEDIA AND THE ENVIRONMENT	3.0	TR	1230	1345	Schneider
81549	LAIS421A	ENVIRONMENTAL PHILOSOPHY	3.0	TR	1400	1515	Woodson
82397	LAIS421B	ENVIRONMENTAL PHILOSOPHY	3.0	TR	1530	1645	Woodson
82399	LAIS441A	AFRICAN DEVELOPMENT	3.0	W	1800	2100	Hudson
81895	LAIS453A	ETHNIC CONFLICT IN GLOB PERS	3.0	TR	0930	1045	Jesudason
82499	LAIS460A	GLOBAL GEOPOLITICS	3.0	M	1800	2100	Amery
Prereq:	(LAIS 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 101 FOR LEVEL UG WITH MIN. GRADE OF D) AND SYGN 200 FOR LEVEL UG WITH MIN. GRADE OF D						
82398	LAIS488A	WATER POLITICS & POLICY	3.0	M	1800	2100	Brunsdale
Prereq:	(LIHU 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LIHU 101 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 100 FOR LEVEL UG WITH MIN. GRADE OF D OR LAIS 101 FOR LEVEL UG WITH MIN. GRADE OF D) AND SYGN 200 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81951	LAIS489A	NUCLEAR POWER & PUBLIC POLICY	3.0	R	1800	2050	Schneider
82400	LAIS541A	AFRICAN DEVELOPMENT	3.0	W	1800	2100	Hudson

Liberal Arts & International Studies

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81601	LAIS545A	INTL POLITICAL ECONOMY	3.0	T	1230	1515	Hancock
82468	LAIS558A	NATURAL RESOURCE & DEVELOPMENT	3.0	R	1400	1700	Heilbrunn
82403	LAIS560A	GLOBAL GEOPOLITICS	3.0	M	1800	2100	Amery
81995	LAIS564A	QUANT METHOD FOR SOCIAL SCIENC	3.0	W	1500	1800	Gaylord Murray
82467	LAIS565A	SCIENCE, TECHNOLOGY, & SOCIETY	3.0	T	1515	1815	Delborne
82404	LAIS588A	WATER POLITICS & POLICY	3.0	M	1800	2100	Brunsdale
81994	LAIS589A	NUCLEAR POWER & PUBLIC POLICY	3.0	R	1800	2050	Schneider
82483	LAIS7051	GRADUATE RESEARCH - MIPER	0-12				Amery
82484	LAIS7052	GRADUATE RESEARCH - MIPER	0-12				Davis
82485	LAIS7053	GRADUATE RESEARCH - MIPER	0-12				Gaylord Murray
82486	LAIS7054	GRADUATE RESEARCH - MIPER	0-12				Hancock
82487	LAIS7055	GRADUATE RESEARCH - MIPER	0-12				Heilbrunn
82488	LAIS7056	GRADUATE RESEARCH - MIPER	0-12				Hudson
82489	LAIS7057	GRADUATE RESEARCH - MIPER	0-12				Jesudason
81485	LICM301A	ORAL COMMUNICATIONS	1.0	TR	0930	1045	Koehn
81486	LICM301B	ORAL COMMUNICATIONS	1.0	TR	1100	1215	Koehn
81488	LICM301C	ORAL COMMUNICATIONS	1.0	TR	0930	1045	Koehn
81489	LICM301D	ORAL COMMUNICATIONS	1.0	TR	1100	1215	Koehn
81014	LICM501A	PROFESSIONAL ORAL COMM	1.0	TR	0930	1045	Koehn
81487	LICM501B	PROFESSIONAL ORAL COMM	1.0	TR	1100	1215	Koehn
81143	LICM501C	PROFESSIONAL ORAL COMM	1.0	TR	0930	1045	Koehn
81490	LICM501D	PROFESSIONAL ORAL COMM	1.0	TR	1100	1215	Koehn
81142	LIFL114A	ARABIC I	3.0	MW	1800	1915	Oujani
81903	LIFL115A	GERMAN I	3.0	MWF	1400	1450	Von Glinski
81491	LIFL123A	SPANISH II	3.0	MWF	1500	1550	Padilla
80336	LIMU101A	BAND - FRESHMAN	1.0	TR	1700	1750	Klimek
80337	LIMU101B	BAND - STRINGS - FRESHMAN	1.0	TR	1600	1715	Cullison
80338	LIMU111A	CONCERT CHOIR -FRESHMAN	1.0	TR	1600	1650	Klimek
80339	LIMU201A	BAND - SOPHOMORE	1.0	TR	1700	1750	Klimek
80340	LIMU201B	BAND - STRINGS - SOPHOMORE	1.0	TR	1600	1715	Cullison
80341	LIMU211A	CONCERT CHOIR -SOPHOMORE	1.0	TR	1600	1650	Klimek
80342	LIMU301A	BAND - JUNIOR	1.0	TR	1700	1750	Klimek
80343	LIMU301B	BAND - STRINGS - JUNIOR	1.0	TR	1600	1715	Cullison
80344	LIMU311A	CONCERT CHOIR -JUNIOR	1.0	TR	1600	1650	Klimek
80345	LIMU340A	MUSIC THEORY	3.0	MW	1500	1615	Klimek
Prereq: LAIS 315 FOR LEVEL UG WITH MIN. GRADE OF D							
81913	LIMU341A	BASIC MUSIC COMP & ARR	1.0	F	1200	1450	Klimek
Prereq: LIMU 340 FOR LEVEL UG WITH MIN. GRADE OF D							
81905	LIMU350A	MUSIC TECHNOLOGY	3.0	MWF	1000	1050	Cullison
81232	LIMU401A	BAND - SENIOR	1.0	TR	1700	1750	Klimek
81233	LIMU401B	BAND - STRINGS - SENIOR	1.0	TR	1600	1715	Cullison
80346	LIMU411A	CONCERT CHOIR -SENIOR	1.0	TR	1600	1650	Klimek
81230	LIMU421A	JAZZ ENSEMBLE/PEP BAND - FALL	1.0	F	1200	1250	Bland
81262	LIMU423A	JAZZ LAB	1.0	F	1400	1450	Bland

Materials Science

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81090	MLGN501A	STRUCTURE OF MATERIALS	3.0	MWF	1000	1050	Thompson
80820	MLGN502A	SOLID STATE PHYSICS	3.0	MWF	1300	1350	Toberer
80450	MLGN504A	SOLID STATE THERMODYNAMICS	3.0	MWF	0730	0845	Olson
80916	MLGN505A	MECHANCL PROPRTIES MATLS	3.0	MWF	0900	0950	Findley
80922	MLGN505LA	MECHANCL PROPRTIES MATLS	0.0	R	0800	1050	Findley
80923	MLGN505LB	MECHANCL PROPRTIES MATLS	0.0	R	1300	1550	Findley
80924	MLGN505LC	MECHANCL PROPRTIES MATLS	0.0	W	1400	1650	Findley
82298	MLGN505LD	MECHANCL PROPRTIES MATLS	0.0	W	1100	1350	Findley
80451	MLGN512A	CERAMIC ENGINEERING	3.0	MWF	1300	1350	Reimanis
80821	MLGN517A	SOLID MECHANICS OF MATERIALS	3.0	TR	1230	1345	Ciobanu
80822	MLGN530A	INTRO TO POLYMER SCIENCE	3.0	TR	1100	1215	Boyes
80969	MLGN550A	STAT CONTROL MATLS PRCSS	3.0	MWF	1000	1050	Van Tyne
82462	MLGN555A	POLYMER/COMPLEX FLUIDS COLLOQ	1.0	R	1300	1350	Liberatore
81799	MLGN569A	FUEL CELL SCIENCE & TECHNOLOGY	3.0	MWF	1100		
82044	MLGN70503	GRADUATE RESEARCH CREDIT - MS	1-12			1150	O'Hayre
82124	MLGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Packard
80457	MLGN70505	GRADUATE RESEARCH CREDIT - MS	1-12				Findley
80459	MLGN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Martins
80464	MLGN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Moore
81101	MLGN70509	GRADUATE RESEARCH CREDIT - MS	1-12				Olson
81103	MLGN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Kaufman
80473	MLGN70515	GRADUATE RESEARCH CREDIT - MS	1-12				Sammes
81592	MLGN70516	GRADUATE RESEARCH CREDIT - MS	1-12				Taylor
81597	MLGN70517	GRADUATE RESEARCH CREDIT - MS	1-12				Liang
81612	MLGN70519	GRADUATE RESEARCH CREDIT - MS	1-12				Gorman
80466	MLGN70520	GRADUATE RESEARCH CREDIT - MS	1-12				King
80467	MLGN70521	GRADUATE RESEARCH CREDIT - MS	1-12				Chuen
80477	MLGN70523	GRADUATE RESEARCH CREDIT - MS	1-12				Mishra
80471	MLGN70525	GRADUATE RESEARCH CREDIT - MS	1-12				Reimanis
81071	MLGN70526	GRADUATE RESEARCH CREDIT - MS	1-12				Ayers
81109	MLGN70532	GRADUATE RESEARCH CREDIT - MS	1-12				O'Hayre
80470	MLGN70551	GRADUATE RESEARCH CREDIT - MS	1-12				Ahrenkiel
80474	MLGN70552	GRADUATE RESEARCH CREDIT - MS	1-12				Knauss
81241	MLGN70553	GRADUATE RESEARCH CREDIT - MS	1-12				Eberhart
81303	MLGN70554	GRADUATE RESEARCH CREDIT - MS	1-12				Boyes
80453	MLGN70562	GRADUATE RESEARCH CREDIT - MS	1-12				Richards
81259	MLGN70563	GRADUATE RESEARCH CREDIT - MS	1-12				Mustoe
81000	MLGN70564	GRADUATE RESEARCH CREDIT - MS	1-12				Ciobanu
80463	MLGN70571	GRADUATE RESEARCH CREDIT - MS	1-12				Sullivan
80475	MLGN70572	GRADUATE RESEARCH CREDIT - MS	1-12				Furtak
80476	MLGN70573	GRADUATE RESEARCH CREDIT - MS	1-12				Wood
81237	MLGN70574	GRADUATE RESEARCH CREDIT - MS	1-12				Collins
80479	MLGN70575	GRADUATE RESEARCH CREDIT - MS	1-12				Taylor
81258	MLGN70581	GRADUATE RESEARCH CREDIT - MS	1-12				Ohno
82045	MLGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Petr
82125	MLGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Packard
80485	MLGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Findley
80487	MLGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Martins
80492	MLGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Moore
81102	MLGN70609	GRADUATE RESEARCH CREDIT - PHD	1-12				Olson

Materials Science

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81104	MLGN70610	GRADUATE RESEARCH CREDIT - PHD	1-12				Kaufman
80501	MLGN70615	GRADUATE RESEARCH CREDIT - PHD	1-12				Sammes
81593	MLGN70616	GRADUATE RESEARCH CREDIT - PHD	1-12				Taylor
81596	MLGN70617	GRADUATE RESEARCH CREDIT - PHD	1-12				Liang
81613	MLGN70619	GRADUATE RESEARCH CREDIT - PHD	1-12				Gorman
80494	MLGN70620	GRADUATE RESEARCH CREDIT - PHD	1-12				King
80495	MLGN70621	GRADUATE RESEARCH CREDIT - PHD	1-12				Chuen
80505	MLGN70623	GRADUATE RESEARCH CREDIT - PHD	1-12				Mishra
80499	MLGN70625	GRADUATE RESEARCH CREDIT - PHD	1-12				Reimanis
81072	MLGN70626	GRADUATE RESEARCH CREDIT - PHD	1-12				Ayers
81110	MLGN70632	GRADUATE RESEARCH CREDIT - PHD	1-12				O'Hayre
80498	MLGN70651	GRADUATE RESEARCH CREDIT - PHD	1-12				Ahrenkiel
80502	MLGN70652	GRADUATE RESEARCH CREDIT - PHD	1-12				Knauss
81278	MLGN70653	GRADUATE RESEARCH CREDIT - PHD	1-12				Eberhart
81304	MLGN70654	GRADUATE RESEARCH CREDIT - PHD	1-12				Boyes
81277	MLGN70655	GRADUATE RESEARCH CREDIT - PHD	1-12				Richards
80481	MLGN70662	GRADUATE RESEARCH CREDIT - PHD	1-12				Williams
81296	MLGN70663	GRADUATE RESEARCH CREDIT - PHD	1-12				Mustoe
80491	MLGN70671	GRADUATE RESEARCH CREDIT - PHD	1-12				Ciobanu
80503	MLGN70672	GRADUATE RESEARCH CREDIT - PHD	1-12				Furtak
80504	MLGN70673	GRADUATE RESEARCH CREDIT - PHD	1-12				Wood
81274	MLGN70674	GRADUATE RESEARCH CREDIT - PHD	1-12				Collins
80507	MLGN70675	GRADUATE RESEARCH CREDIT - PHD	1-12				Taylor
81294	MLGN70681	GRADUATE RESEARCH CREDIT - PHD	1-12				Ohno
80999	MLGN706BLH	GRADUATE RESEARCH CREDIT - PHD	1-12				Petr Sullivan

Mathematics & Computer Science

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81821	CSCI101A	INTRO TO COMPUTER SCIENCE	3.0	MWF	1300	1350	Hellman
81822	CSCI101B	INTRO TO COMPUTER SCIENCE	3.0	MWF	1200	1250	Hellman
82346	CSCI101C	INTRO TO COMPUTER SCIENCE	3.0	MWF	1100	1150	Hellman
82347	CSCI101D	INTRO TO COMPUTER SCIENCE	3.0	MWF	1000	1050	
80378	CSCI260A	FORTRAN PROGRAMMING	2.0	WF	0800	0850	Johnson
80379	CSCI261A	PROGRAMMING CONCEPTS	3.0	MW	0900	0950	Davies
				F	0900	0950	Davies
80380	CSCI261B	PROGRAMMING CONCEPTS	3.0	MW	1000	1050	Rubin
				F	1000	1050	Rubin
80381	CSCI261C	PROGRAMMING CONCEPTS	3.0	MW	1100	1150	Bakos
				F	1100	1150	Bakos
80382	CSCI261D	PROGRAMMING CONCEPTS	3.0	MW	1300	1350	Davies
				F	1300	1350	Davies
80383	CSCI261E	PROGRAMMING CONCEPTS	3.0	MW	1400	1450	Bakos
				F	1400	1450	Bakos
80384	CSCI261F	PROGRAMMING CONCEPTS	3.0	MW	1500	1550	
				F	1500	1550	
80386	CSCI262A	DATA STRUCTURES	3.0	MWF	1200	1250	Tankelevich
82482	CSCI262B	DATA STRUCTURES	3.0	MWF	0900	0950	
80387	CSCI306A	SOFTWARE ENGINEERING	3.0	TR	1100	1215	Rader
Prereq:	MACS 262 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 262 FOR LEVEL UG WITH MIN. GRADE OF D						
80394	CSCI341A	COMPUTER ORGANIZATION	3.0	TR	1400	1515	Han
Prereq:	MACS 261 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 261 FOR LEVEL UG WITH MIN. GRADE OF D						
81075	CSCI358A	ALGEBRAIC STRUCTURES	3.0	MWF	1400	1450	Kouri
Prereq:	MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D						
80399	CSCI400A	PRIN PRGMNG LANG	3.0	MWF	1000	1050	Tankelevich
Prereq:	(MACS 262 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 262 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 306 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 306 FOR LEVEL UG WITH MIN. GRADE OF D)						
80401	CSCI404A	ARTIFICIAL INTELLIGENCE	3.0	MWF	0900	0950	Tankelevich
Prereq:	(MACS 262 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 262 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 358 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 358 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 358 FOR LEVEL UG WITH MIN. GRADE OF D)						
81367	CSCI406A	DESIGN&ANALYS ALGORITHMS	3.0	MWF	1200	1250	Mehta
Prereq:	(MACS 262 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 262 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 358 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 358 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 358 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D)						
81076	CSCI407A	INTRO TO SCIENTIFIC COMPUTING	3.0	MWF	1400	1450	Bialecki
81368	CSCI407B	INTRO TO SCIENTIFIC COMPUTING	3.0	MWF	1200	1250	

Mathematics & Computer Science

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81151	CSCI422A	USER INTERFACE DESIGN	3.0	TR	0930	1045	Rader
Prereq:	(CSCI 262 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 262 FOR LEVEL UG WITH MIN. GRADE OF D)						
81077	CSCI441A	COMPUTER GRAPHICS	3.0	TR	1100	1215	Szymczak
80405	CSCI442A	OPERATING SYSTEMS	3.0	TR	1400	1515	Camp
Prereq:	(MACS 262 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 262 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 341 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 341 FOR LEVEL UG WITH MIN. GRADE OF D)						
81823	CSCI445OL	WEB PROGRAMMING	3.0				Rader
82421	CSCI447A	SCIENTIFIC VISUALIZATION	3.0	TR	1400	1515	Szymczak
Prereq:	(MACS 441 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 441 FOR LEVEL UG WITH MIN. GRADE OF D) AND CSCI 262 FOR LEVEL UG WITH MIN. GRADE OF D						
81541	CSCI475A	INFORMATION SECURITY & PRIVACY	3.0	F	1400	1450	Romig
				MW	1400	1450	Romig
Prereq:	CSCI 442 FOR LEVEL UG WITH MIN. GRADE OF D						
82351	CSCI498AA	EDUCATIONAL GAME DEVELOPMENT	3.0	TR	1530	1645	Polycarpou
81130	CSCI522A	USER INTERFACE DESIGN	3.0	TR	0930	1045	Rader
81191	CSCI568A	DATA MINING	3.0	MWF	1300	1350	Bakos
82350	CSCI580A	ADV HIGH PERFORMANCE COMPUTING	3.0	TR	1230	1345	Chen
81078	CSCI691A	GRADUATE SEMINAR	1.0	F	1500	1550	Navidi
80412	CSCI70501	GRADUATE RESEARCH CREDIT - MS	1-12				Camp
80413	CSCI70502	GRADUATE RESEARCH CREDIT - MS	1-12				Chen
80418	CSCI70503	GRADUATE RESEARCH CREDIT - MS	1-12				Han
81131	CSCI70504	GRADUATE RESEARCH CREDIT - MS	1-12				Mehta
81134	CSCI70505	GRADUATE RESEARCH CREDIT - MS	1-12				Polycarpou
81135	CSCI70506	GRADUATE RESEARCH CREDIT - MS	1-12				Szymczak
81301	CSCI70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Camp
80423	CSCI70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Chen
81121	CSCI70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Han
81136	CSCI70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Mehta
81137	CSCI70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Polycarpou
81139	CSCI70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Szymczak
80348	MATH111A	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	0800	0850	
80349	MATH111B	CALC FOR SCI & ENGRS I (MA1)	4.0	MTWF	0900	0950	
80350	MATH111C	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	0900	0950	
80351	MATH111D	CALC FOR SCI & ENGRS I (MA1)	4.0	MTWF	1000	1050	
80352	MATH111E	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	1000	1050	
80353	MATH111F	CALC FOR SCI & ENGRS I (MA1)	4.0	MTWF	1100	1150	
80354	MATH111G	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	1100	1150	
80355	MATH111H	CALC FOR SCI & ENGRS I (MA1)	4.0	MTWF	1200	1250	
80356	MATH111I	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	1200	1250	
80357	MATH111J	CALC FOR SCI & ENGRS I (MA1)	4.0	MTWF	1300	1350	Eklund
80358	MATH111K	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	1300	1350	
80359	MATH111L	CALC FOR SCI & ENGRS I (MA1)	4.0	MTWF	1400	1450	
80360	MATH111M	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	1400	1450	
81027	MATH111N	CALC FOR SCI & ENGRS I (MA1)	4.0	MTWF	1500	1550	
81829	MATH111O	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	1600	1650	
82354	MATH111P	CALC FOR SCI & ENGRS I (MA1)	4.0	MWRF	1500	1550	

Mathematics & Computer Science

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80361	MATH112A	CALC FOR SCI & ENG II (MA1)	4.0	MTWF	0900	0950	
80362	MATH112B	CALC FOR SCI & ENG II (MA1)	4.0	MTWF	1000	1050	
81832	MATH112C	CALC FOR SCI & ENG II (MA1)	4.0	MWRF	1100	1150	
80363	MATH112D	CALC FOR SCI & ENG II (MA1)	4.0	MWRF	1300	1350	
80931	MATH112E	CALC FOR SCI & ENG II (MA1)	4.0	MWRF	1400	1450	
80932	MATH112F	CALC FOR SCI & ENG II (MA1)	4.0	MTWF	1200	1250	
81149	MATH113A	CALC FOR SCI & ENG II -SHRT FM	1.0	MTWRF	1200	1250	Greivel
80364	MATH122A	CALC FOR SCI ENGR II HONORS	4.0	MTWF	0900	0950	Eklund
80365	MATH122B	CALC FOR SCI ENGR II HONORS	4.0	MTWF	1000	1050	Eklund
80366	MATH122C	CALC FOR SCI ENGR II HONORS	4.0	MWRF	1200	1250	
80367	MATH122D	CALC FOR SCI ENGR II HONORS	4.0	MWRF	1300	1350	
80839	MATH122E	CALC FOR SCI ENGR II HONORS	4.0	MWRF	1500	1550	
82355	MATH122F	CALC FOR SCI ENGR II HONORS	4.0	MTWF			
Prereq:	MACS 111 FOR LEVEL UG WITH MIN. GRADE OF C OR MATH 111 FOR LEVEL UG WITH MIN. GRADE OF C						
80368	MATH213A	CALC FOR SCI & ENG III (MA1)	4.0	TR	0930	1045	Greivel
80369	MATH213AR1	CALC FOR SCI & ENG III (MA1)	0.0	MW	0800	0850	Greivel
80370	MATH213AR2	CALC FOR SCI & ENG III (MA1)	0.0	MW	0900	0950	Greivel
82356	MATH213AR3	CALC FOR SCI & ENG III (MA1)	0.0	MW	1000	1050	Greivel
82357	MATH213AR4	CALC FOR SCI & ENG III (MA1)	0.0	MW	0800	0850	Greivel
82359	MATH213AR5	CALC FOR SCI & ENG III (MA1)	0.0	MW	0900	0950	Greivel
82360	MATH213AR6	CALC FOR SCI & ENG III (MA1)	0.0	MW	1000	1050	Greivel
82441	MATH213B	CALC FOR SCI & ENG III (MA1)	4.0	MWRF	0800	0850	
82442	MATH213C	CALC FOR SCI & ENG III (MA1)	4.0	MWRF	1000	1050	
82443	MATH213D	CALC FOR SCI & ENG III (MA1)	4.0	MTWF	1100	1150	
82444	MATH213E	CALC FOR SCI & ENG III (MA1)	4.0	MWRF	1200	1250	
82445	MATH213F	CALC FOR SCI & ENG III (MA1)	4.0	MTWF	1300	1350	
82446	MATH213G	CALC FOR SCI & ENG III (MA1)	4.0	MTWF	1400	1450	Greivel
82447	MATH213H	CALC FOR SCI & ENG III (MA1)	4.0	MWRF	1500	1550	
82448	MATH213I	CALC FOR SCI & ENG III (MA1)	4.0	MWRF	1600	1650	
82449	MATH213J	CALC FOR SCI & ENG III (MA1)	4.0	MWRF	1300	1350	
Prereq:	(MACS 112 FOR LEVEL UG WITH MIN. GRADE OF C OR MACS 122 FOR LEVEL UG WITH MIN. GRADE OF C OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF C OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF C) AND (MACS 111 FOR LEVEL UG WITH MIN. GRADE OF C OR MATH 111 FOR LEVEL UG WITH MIN. GRADE OF C)						
81150	MATH214A	CALC FOR SCI & ENG III SHRT FM	1.0	MTWRF	1200	1250	Strong
80377	MATH224A	CALC FOR SCI/ENGR III HNR	4.0	WF	1400	1450	Strong
				M	1400	1550	Strong
Prereq:	(MACS 122 FOR LEVEL UG WITH MIN. GRADE OF C OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF C OR MACS 112 FOR LEVEL UG WITH MIN. GRADE OF C OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF C) AND (MACS 111 FOR LEVEL UG WITH MIN. GRADE OF C OR MATH 111 FOR LEVEL UG WITH MIN. GRADE OF C)						

Mathematics & Computer Science

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81061	MATH225A	DIFFERENTIAL EQUATIONS	3.0	MWF	0800	0850	Strong
81062	MATH225B	DIFFERENTIAL EQUATIONS	3.0	MWF	0900	0950	Strong
81063	MATH225C	DIFFERENTIAL EQUATIONS	3.0	MWF	1000	1050	Strong
81064	MATH225D	DIFFERENTIAL EQUATIONS	3.0	MWF	1100	1150	Collis
81065	MATH225E	DIFFERENTIAL EQUATIONS	3.0	MWF	1200	1250	
81066	MATH225F	DIFFERENTIAL EQUATIONS	3.0	MWF	1300	1350	
81067	MATH225G	DIFFERENTIAL EQUATIONS	3.0	MWF	1400	1450	
81068	MATH225H	DIFFERENTIAL EQUATIONS	3.0	MWF	1500	1550	
81837	MATH225I	DIFFERENTIAL EQUATIONS	3.0	MWF	1600	1650	
81838	MATH225J	DIFFERENTIAL EQUATIONS	3.0	MWF	1200	1250	
82361	MATH225K	DIFFERENTIAL EQUATIONS	3.0	MWF	1600	1650	
Prereq:	(MACS 111 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 111 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 122 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D)						
80388	MATH323A	PROBS & STATS FOR ENG I	3.0	MWF	0900	0950	
80389	MATH323B	PROBS & STATS FOR ENG I	3.0	MWF	1000	1050	
80390	MATH323C	PROBS & STATS FOR ENG I	3.0	MWF	1200	1250	
80391	MATH323D	PROBS & STATS FOR ENG I	3.0	MWF	1300	1350	
81028	MATH323E	PROBS & STATS FOR ENG I	3.0	MWF	1500	1550	
82362	MATH323F	PROBS & STATS FOR ENG I	3.0	TR	0930	1045	Moskal
82363	MATH323G	PROBS & STATS FOR ENG I	3.0				
80392	MATH332A	LINEAR ALGEBRA	3.0	MWF	1400	1450	Hereman
80393	MATH332B	LINEAR ALGEBRA	3.0	MWF	1000	1050	Bridgman
82364	MATH332C	LINEAR ALGEBRA	3.0	MWF	0900	0950	Bridgman
82365	MATH332D	LINEAR ALGEBRA	3.0				
81030	MATH334A	INTO TO PROBABILITY	3.0	MWF	1000	1050	Navidi
80395	MATH348A	ADVANCED ENGINEERING MATHEMATI	3.0	MWF	1000	1050	Young
80396	MATH348B	ADVANCED ENGINEERING MATHEMATI	3.0	MWF	1100	1150	Strong
80397	MATH348C	ADVANCED ENGINEERING MATHEMATI	3.0	MWF	1200	1250	Strong
81128	MATH348D	ADVANCED ENGINEERING MATHEMATI	3.0	MWF	0900	0950	
82366	MATH348E	ADVANCED ENGINEERING MATHEMATI	3.0				
Prereq:	MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D						
80398	MATH358A	ALGEBRAIC STRUCTURES	3.0	MWF	1400	1450	Kouri
80400	MATH401A	INTRO TO ANALYSIS	3.0	MWF	1300	1350	Bridgman
Prereq:	(MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 332 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 342 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 332 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 342 FOR LEVEL UG WITH MIN. GRADE OF D)						
81374	MATH406A	DESIGN&ANALYS ALGORITHMS	3.0	MWF	1200	1250	Mehta
Prereq:	(MACS 262 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 262 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 358 FOR LEVEL UG WITH MIN. GRADE OF D OR CSCI 358 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 358 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D)						

Mathematics & Computer Science

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80402	MATH407A	INTRO TO SCIENTIFIC COMPUTING	3.0	MWF	1400	1450	Bialecki
81375	MATH407B	INTRO TO SCIENTIFIC COMPUTING	3.0	MWF	1200	1250	Bialecki
Prereq:	MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D						
82466	MATH424A	INTRO TO APPLIED STATISTICS	3.0	MWF	1500	1550	
Prereq:	MACS 323 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 335 OR MATH 323 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 335 FOR LEVEL UG WITH MIN. GRADE OF D						
80403	MATH433A	MATHEMATICAL BIOLOGY	3.0	MWF	1200	1250	Ganesh
81029	MATH440A	PARALLEL SCIENTIFIC COMPUTING	3.0	MWF	1400	1450	Ganesh
Prereq:	CSCI 407 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 407 FOR LEVEL UG WITH MIN. GRADE OF D						
80404	MATH441A	COMPUTER GRAPHICS	3.0	TR	1100	1215	Szymczak
82427	MATH447A	SCIENTIFIC VISUALIZATION	3.0	TR	1400	1515	Szymczak
80935	MATH455A	PARTIAL DIFFERENTIAL EQUATIONS	3.0	MWF	0900	0950	Martin
80406	MATH500A	LINEAR VECTOR SPACES	3.0	MWF	1200	1250	Hereman
80407	MATH502A	REAL/ABSTRACT ANALYSIS	3.0	TR	0800	0915	Tenorio
82370	MATH506A	COMPLEX ANALYSIS II	3.0	MWF	1100	1150	Martin
80408	MATH514A	APPLIED MATHEMATICS I	3.0	MWF	1300	1350	Collis
80409	MATH530A	STATISTICAL METHODS I	3.0	MWF	1100	1150	Hering
81060	MATH534A	MATHEMATICAL STATISTICS I	3.0	MWF	0900	0950	Tenorio
82413	MATH540A	PARALLEL SCIENTIFIC COMPUTING	3.0	MWF	1400	1450	Ganesh
80410	MATH691A	GRADUATE SEMINAR	1.0	F	1500	1550	Navidi
81378	MATH70501	GRADUATE RESEARCH CREDIT - MS	1-12				Bialecki
80411	MATH70502	GRADUATE RESEARCH CREDIT - MS	1-12				Collis
80414	MATH70503	GRADUATE RESEARCH CREDIT - MS	1-12				Ganesh
80415	MATH70504	GRADUATE RESEARCH CREDIT - MS	1-12				Hereman
81847	MATH70505	GRADUATE RESEARCH CREDIT - MS	1-12				Hering
80416	MATH70506	GRADUATE RESEARCH CREDIT - MS	1-12				Martin
80417	MATH70507	GRADUATE RESEARCH CREDIT - MS	1-12				Moskal
81059	MATH70508	GRADUATE RESEARCH CREDIT - MS	1-12				Navidi
81132	MATH70509	GRADUATE RESEARCH CREDIT - MS	1-12				Qiu
80419	MATH70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Bialecki
80420	MATH70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Collis
80421	MATH70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Ganesh
80422	MATH70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Hereman
81138	MATH70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Hering
81140	MATH70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Martin
81846	MATH70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Moskal
81377	MATH70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Navidi
82297	MATH70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Tenorio

McBride Honors Program

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
82253	HNRS200A	SEMINAR- PUB AFFAIRS: GLOBAL R	3.0	W	1800	2100	Godel- Gengenbach
Prereq:	HNRS 101 FOR LEVEL UG WITH MIN. GRADE OF D						
82254	HNRS302A	TECH & SOCIO-ECON CHANGE	3.0	W	1800	2100	Miller
Prereq:	HNRS 202 FOR LEVEL UG WITH MIN. GRADE OF D						
80930	HNRS401A	MCBRIDE PRACTICUM:INTERNSHIP	3.0				Osgood
Prereq:	HNRS 311 FOR LEVEL UG WITH MIN. GRADE OF D						
82255	HNRS411A	STUDY LEADERSHIP & POWER	3.0	W	1800	2100	Goetz
Prereq:	HNRS 301 FOR LEVEL UG WITH MIN. GRADE OF D OR HNRS 311 FOR LEVEL UG WITH MIN. GRADE OF D OR HNRS 312 FOR LEVEL UG WITH MIN. GRADE OF D						

Metallurgical & Materials Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
82412	MTGN202A	ENGINEERING MATERIAL SYS	3.0	MWF	1500	1550	Ayers
Prereq:	(CHGN 124 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR CHGN 122 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)) AND (MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 122 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)) AND (PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR PHGN 110 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
80867	MTGN311A	STRUCTURE OF MATERIALS	4.0	MWF	1000	1050	Thompson
80868	MTGN311LA	STRUCTURE OF MATERIALS	0.0	R	0800	1050	Thompson
80869	MTGN311LB	STRUCTURE OF MATERIALS	0.0	R	1300	1550	Thompson
80870	MTGN311LC	STRUCTURE OF MATERIALS	0.0	T	1300	1550	Thompson
80871	MTGN311LD	STRUCTURE OF MATERIALS	0.0	T	0800	1050	Thompson
Prereq:	(SYGN 202 FOR LEVEL UG WITH MIN. GRADE OF D OR MTGN 202 FOR LEVEL UG WITH MIN. GRADE OF D) AND (PHGN 200 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 210 FOR LEVEL UG WITH MIN. GRADE OF D)						
80728	MTGN351A	MET&MTRLS THERMODYNAMICS	3.0	MWF	1100	1150	Taylor
80729	MTGN381A	PHASE EQUILIBRIA	2.0	MWF	0900	0950	Kaufman
Prereq:	MTGN 351 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80730	MTGN412A	CERAMIC ENGINEERING	3.0	MWF	1300	1350	Reimanis
82318	MTGN430A	PHYS CHEM OF IRON & STEELMAKNG	3.0	MW	1100	1215	Mishra
Prereq:	MTGN 334 FOR LEVEL UG WITH MIN. GRADE OF D						
81803	MTGN431A	HYDRO- & ELECTRO-METALLURGY	3.0	TW	1800	1915	Anderson
Prereq:	MTGN 334 FOR LEVEL UG WITH MIN. GRADE OF D AND MTGN 351 FOR LEVEL UG WITH MIN. GRADE OF D AND MTGN 352 FOR LEVEL UG WITH MIN. GRADE OF D AND MTGN 461 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) AND MTGN 433 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80912	MTGN445A	MECHANCL PROPRTIES MATLS	4.0	MWF	0900	0950	Findley
80913	MTGN445LA	MECHANCL PROPRTIES MATLS	0.0	R	0800	1050	Findley
80914	MTGN445LB	MECHANCL PROPRTIES MATLS	0.0	R	1300	1550	Findley
80915	MTGN445LC	MECHANCL PROPRTIES MATLS	0.0	W	1400	1650	Findley
82084	MTGN445LD	MECHANCL PROPRTIES MATLS	0.0	W	1100	1350	Findley
Prereq:	MTGN 348 FOR LEVEL UG WITH MIN. GRADE OF D						
81126	MTGN450A	STAT CONTROL MATLS PRCSS	3.0	MWF	1000	1050	Van Tyne
80731	MTGN451A	CORROSION ENGINEERING	3.0	MWF	1300	1350	Mishra
Prereq:	DCGN 209 FOR LEVEL UG WITH MIN. GRADE OF D						
80872	MTGN461A	TRANSPORT PHENOMENA	3.0	MW	0800	0850	Martins
80873	MTGN461LA	TRANSPORT PHENOMENA	0.0	T	1300	1550	Martins
80874	MTGN461LB	TRANSPORT PHENOMENA	0.0	T	0800	1050	Martins
81943	MTGN461LC	TRANSPORT PHENOMENA	0.0	R	1300	1550	Martins
Prereq:	(MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND MTGN 334 FOR LEVEL UG WITH MIN. GRADE OF D AND MTGN 352 FOR LEVEL UG WITH MIN. GRADE OF D						
81802	MTGN469A	FUEL CELL SCIENCE & TECHNOLOGY	3.0	MWF	1100	1150	O'Hayre
80732	MTGN475A	METALLURGY OF WELDING	2.0	MWF	1100	1150	Chuen
Prereq:	MTGN 348 FOR LEVEL UG WITH MIN. GRADE OF D AND MTGN 477 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						

Metallurgical & Materials Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80733	MTGN477A	METALLURGY OF WELDNG LAB	1.0	R	0800	1000	Chuen
80734	MTGN477B	METALLURGY OF WELDNG LAB	1.0	R	1300	1500	Chuen
Prereq:	MTGN 475 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80735	MTGN527A	SOLID WASTE MINIMIZATION	3.0	R	1800	2100	Queneau
82319	MTGN530A	ADV IRON & STEELMAKING	3.0	MW	1100	1215	Mishra
81239	MTGN533A	PARTICULATE MATERIALS PROC II	3.0	MW	1600	1715	Taylor
80736	MTGN538A	HYDROMETALLURGY	3.0	TW	1800	1915	Anderson
82271	MTGN545A	FATIGUE & FRACTURE	3.0	TR	0930	1045	Berger
80737	MTGN549A	CURR DEV- FERROUS ALLOYS	3.0	MW	1600	1715	Speer
80819	MTGN551A	ADV CORROSION ENGINEERNG	3.0	MWF	1300	1350	Mishra
80738	MTGN555A	SOLID STATE THERMODYNMSCS	3.0	MWF	0730	0845	Olson
81300	MTGN593A	NUCLEAR MATERIAL SCIENCE & ENG	3.0	MWF	1400	1450	
82017	MTGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				Anderson
82042	MTGN70503	GRADUATE RESEARCH CREDIT - MS	1-12				Packard
82122	MTGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Findley
80743	MTGN70505	GRADUATE RESEARCH CREDIT - MS	1-12				Martins
80744	MTGN70506	GRADUATE RESEARCH CREDIT - MS	1-12				Matlock
80745	MTGN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Moore
80746	MTGN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Olson
81099	MTGN70509	GRADUATE RESEARCH CREDIT - MS	1-12				Kaufman
81105	MTGN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Sammes
80747	MTGN70512	GRADUATE RESEARCH CREDIT - MS	1-12				Van Tyne
80748	MTGN70514	GRADUATE RESEARCH CREDIT - MS	1-12				Thompson
80749	MTGN70515	GRADUATE RESEARCH CREDIT - MS	1-12				Taylor
81590	MTGN70516	GRADUATE RESEARCH CREDIT - MS	1-12				Liang
81594	MTGN70517	GRADUATE RESEARCH CREDIT - MS	1-12				Gorman
81610	MTGN70519	GRADUATE RESEARCH CREDIT - MS	1-12				King
80750	MTGN70520	GRADUATE RESEARCH CREDIT - MS	1-12				Chuen
80751	MTGN70521	GRADUATE RESEARCH CREDIT - MS	1-12				Mishra
80752	MTGN70523	GRADUATE RESEARCH CREDIT - MS	1-12				Reimanis
80753	MTGN70524	GRADUATE RESEARCH CREDIT - MS	1-12				Speer
81069	MTGN70525	GRADUATE RESEARCH CREDIT - MS	1-12				Ayers
81073	MTGN70526	GRADUATE RESEARCH CREDIT - MS	1-12				O'Hayre
82326	MTGN70531	GRADUATE RESEARCH CREDIT - MS	1-12				Spiller
81107	MTGN70532	GRADUATE RESEARCH CREDIT - MS	1-12				Ahrenkiel
82328	MTGN70533	GRADUATE RESEARCH CREDIT - MS	1-12				Vidal
82330	MTGN70534	GRADUATE RESEARCH CREDIT - MS	1-12				Gomez
82332	MTGN70535	GRADUATE RESEARCH CREDIT - MS	1-12				De Moor
82018	MTGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Anderson
82043	MTGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Packard
82123	MTGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Findley
80758	MTGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Martins
80759	MTGN70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Matlock
80760	MTGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Moore
80761	MTGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Olson
81100	MTGN70609	GRADUATE RESEARCH CREDIT - PHD	1-12				Kaufman
81106	MTGN70610	GRADUATE RESEARCH CREDIT - PHD	1-12				Sammes
80762	MTGN70612	GRADUATE RESEARCH CREDIT - PHD	1-12				Van Tyne
80763	MTGN70614	GRADUATE RESEARCH CREDIT - PHD	1-12				Thompson
80764	MTGN70615	GRADUATE RESEARCH CREDIT - PHD	1-12				Taylor

Metallurgical & Materials Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81591	MTGN70616	GRADUATE RESEARCH CREDIT - PHD	1-12				Liang
81595	MTGN70617	GRADUATE RESEARCH CREDIT - PHD	1-12				Gorman
81611	MTGN70619	GRADUATE RESEARCH CREDIT - PHD	1-12				King
80765	MTGN70620	GRADUATE RESEARCH CREDIT - PHD	1-12				Chuen
80766	MTGN70621	GRADUATE RESEARCH CREDIT - PHD	1-12				Mishra
80767	MTGN70623	GRADUATE RESEARCH CREDIT - PHD	1-12				Reimanis
80768	MTGN70624	GRADUATE RESEARCH CREDIT - PHD	1-12				Speer
81070	MTGN70625	GRADUATE RESEARCH CREDIT - PHD	1-12				Ayers
81074	MTGN70626	GRADUATE RESEARCH CREDIT - PHD	1-12				O'Hayre
82327	MTGN70631	GRADUATE RESEARCH CREDIT - PHD	1-12				Spiller
81108	MTGN70632	GRADUATE RESEARCH CREDIT - PHD	1-12				Ahrenkiel
82329	MTGN70633	GRADUATE RESEARCH CREDIT - PHD	1-12				Vidal
82331	MTGN70634	GRADUATE RESEARCH CREDIT - PHD	1-12				Gomez
82333	MTGN70635	GRADUATE RESEARCH CREDIT - PHD	1-12				De Moor

Military Science

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81079	AFGN101A	FOUNDATIONS OF THE USAF I	1.5.0	R	1500	1830	Aguilar
				T	1400	1450	Aguilar
81080	AFGN201A	EVOL OF USAF AIR & SPACE POWER	1.5.0	R	1500	1830	
				R	1400	1450	
82267	AFGN201B	EVOL OF USAF AIR & SPACE POWER	1.5.0	R	1500	1830	Aguilar
				R	1230	1320	Aguilar
81081	AFGN301A	AIR FORCE LEADERSHIP STUDIES I	3.5.0	R	1500	1830	Aguilar
				T	1400	1515	Aguilar
81082	AFGN401A	NSA & PREP FOR ACTIVE DUTY I	3.5.0	T	1530	1645	Aguilar
				R	1500	1830	Aguilar
80583	MSGN103A	ADVENTURES LEADERSHIP I	2.0	R	1530	1700	Caughey
				TR	1100	1215	Caughey
80587	MSGN203A	METH OF LEADERSHIP & MANGMT I	2.0	R	1530	1700	Caughey
				MW	1200	1250	Caughey
80588	MSGN301A	APPL PRIN LDRSHP & COMMAND I	3.0	TR	0700	0815	Aguilar
81339	MSGN303A	LEADERSHIP LAB I	.5.0	R	1530	1650	Aguilar
80589	MSGN401A	ETHICS/PROFESSIONAL/MIL JUSTC	3.0	MW	1100	1215	Aguilar
81340	MSGN403A	LEADERSHIP LAB I	.5.0	R	1530	1650	Aguilar

Mining Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80631	MNGN210A	INTRODUCTORY MINING	3.0	MWF	1000	1050	Kuchta
80632	MNGN309A	MINING ENGNRG LAB	2.0	F	1300	1650	Kuchta
Prereq:	MNGN 210 FOR LEVEL UG WITH MIN. GRADE OF D AND MNGN 308 FOR LEVEL UG WITH MIN. GRADE OF D						
80633	MNGN312A	SURFACE MINE DESIGN	3.0	M TR	1300 0900	1550 0950	Dagdelen Dagdelen
Prereq:	MNGN 210 FOR LEVEL UG WITH MIN. GRADE OF D AND MNGN 300 FOR LEVEL UG WITH MIN. GRADE OF D						
80634	MNGN321A	INTRO ROCK MECHANICS	3.0	MW T	0900 1300	0950 1550	Ozbay Ozbay
80635	MNGN322A	INTRODUCTION TO MINERAL PROCES	3.0	MW	0830	0950	Spiller
Prereq:	(MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D) AND (PHGN 200 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 210 FOR LEVEL UG WITH MIN. GRADE OF D) AND MNGN 323 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80636	MNGN323A	INTRODUCTORY MINERAL PROCS LAB	1.0	F	1300	1550	Spiller
Prereq:	MNGN 322 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80637	MNGN333A	EXPLOSIVE ENGINEERING I	3.0	R T	1300 1300	1550 1450	Petr Petr
80638	MNGN340A	COOPERATIVE EDUCATION MN	3.0				Dagdelen
82313	MNGN406A	DESIGN & SUPPORT OF UNDRGRD EX	3.0	T	0800	1050	Frenzel
80639	MNGN408A	UNDERGROUND DESIGN & CONSTRUCT	2.0	F	0800	0950	Henn
Prereq:	EGGN 361 FOR LEVEL UG WITH MIN. GRADE OF D OR MNGN 321 FOR LEVEL UG WITH MIN. GRADE OF D						
80640	MNGN414A	MINE PLANT DESIGN	3.0	MW R	1000 1300	1050 1550	Nakagawa Nakagawa
Prereq:	MNGN 312 FOR LEVEL UG WITH MIN. GRADE OF D AND MNGN 314 FOR LEVEL UG WITH MIN. GRADE OF D						
80641	MNGN418A	ADVANCED ROCK MECHANICS	3.0	M	1300	1550	Ozbay
Prereq:	MNGN 321 FOR LEVEL UG WITH MIN. GRADE OF D						
80642	MNGN428A	MN ENG EVAL & DSGN RPT I	1.0	TR	1200	1250	Miller
Prereq:	EPIC 251 FOR LEVEL UG WITH MIN. GRADE OF D						
80643	MNGN429A	MN ENG EVAL&DESIGN REPORT	2.0	TR	1200	1250	Miller
Prereq:	MNGN 427 FOR LEVEL UG WITH MIN. GRADE OF D OR MNGN 428 FOR LEVEL UG WITH MIN. GRADE OF PRG						
80644	MNGN438A	GEOSTATISTICS	3.0	T W W	1100 1300 1400	1150 1350 1550	Dagdelen Dagdelen Dagdelen
Prereq:	MACS 122 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D						
81852	MNGN460A	INDUSTRIAL MINERALS PRODUCTION	3.0	T	1800	2050	Wilson
Prereq:	MNGN 312 FOR LEVEL UG WITH MIN. GRADE OF D AND MNGN 322 FOR LEVEL UG WITH MIN. GRADE OF D AND MNGN 323 FOR LEVEL UG WITH MIN. GRADE OF D						
81298	MNGN482A	MINE MANAGEMENT	3.0	T	1700	1950	Grubb
82314	MNGN506A	DESIGN AND SUPPORT OF UG EXCAV	3.0	T	0800	1050	Frenzel
81122	MNGN508A	ADVANCED ROCK MECHANICS	3.0	M	1300	1550	Ozbay
81565	MNGN510A	MINING/MINERAL RESOURCE DEVEL	3.0	W	1700	1950	Grubb

Mining Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80817	MNGN512A	ADV SURFACE MINE DESIGN	3.0	TR	0900	0950	Dagdelen
				M	1300	1550	Dagdelen
80818	MNGN538A	GEOSTATS ORE RESERVE EST	3.0	T	1100	1150	
				W	1400	1650	
				W	1300	1350	
80646	MNGN625A	GRADUATE MINING SEMINAR	1.0	R	1600	1650	Monroe
81498	MNGN70001	GRAD ENGINEERING RPT -ME	1-15				Kuchta
82087	MNGN70002	GRAD ENGINEERING RPT -ME	1-15				Frenzel
81499	MNGN70003	GRAD ENGINEERING RPT -ME	1-15				Ozbay
81500	MNGN70004	GRAD ENGINEERING RPT -ME	1-15				Nakagawa
81501	MNGN70005	GRAD ENGINEERING RPT -ME	1-15				Miller
81502	MNGN70007	GRAD ENGINEERING RPT -ME	1-15				Dagdelen
80647	MNGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				Kuchta
82035	MNGN70502	GRADUATE RESEARCH CREDIT - MS	1-12				Petr
80648	MNGN70503	GRADUATE RESEARCH CREDIT - MS	1-12				Ozbay
80649	MNGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Nakagawa
80956	MNGN70505	GRADUATE RESEARCH CREDIT - MS	1-12				Miller
82034	MNGN70506	GRADUATE RESEARCH CREDIT - MS	1-12				Petr
80650	MNGN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Dagdelen
82075	MNGN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Frenzel
80651	MNGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Kuchta
80652	MNGN70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Miller
80653	MNGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Ozbay
80654	MNGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Nakagawa
80957	MNGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Miller
80655	MNGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Dagdelen
82076	MNGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Frenzel

Petroleum Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80604	PEGN305A	COMPUTATIONAL METHODS IN PE	2.0	MW	1000	1050	Miller
81856	PEGN305B	COMPUTATIONAL METHODS IN PE	2.0	MW	0900	0950	Miller
Prereq:	(MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D)						
80605	PEGN310A	RESERVOIR FLUID PROPERTIES	2.0	WF	1100	1150	Yin
82307	PEGN310B	RESERVOIR FLUID PROPERTIES	2.0	WF	1300	1350	Yin
Prereq:	PEGN 308 FOR LEVEL UG WITH MIN. GRADE OF D AND DCGN 209 FOR LEVEL UG WITH MIN. GRADE OF D AND PEGN 305 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80606	PEGN311A	DRILLING ENGINEERING	4.0	MWF	0900	0950	Eustes
81447	PEGN311B	DRILLING ENGINEERING	4.0	MWF	1000	1050	Bourgoyne
82306	PEGN311C	DRILLING ENGINEERING	4.0	MWF	1300	1350	Smith
80963	PEGN311LA	DRILLING LAB	0.0	M	1400	1650	Eustes
80964	PEGN311LB	DRILLING LAB	0.0	T	1300	1550	Bourgoyne
80965	PEGN311LC	DRILLING LAB	0.0	W	1400	1650	Eustes
81016	PEGN311LD	DRILLING LAB	0.0	F	1400	1650	Bourgoyne
81017	PEGN311LE	DRILLING LAB	0.0	M	1400	1650	Eustes
81018	PEGN311LF	DRILLING LAB	0.0	T	1300	1550	Bourgoyne
82263	PEGN311LG	DRILLING LAB	0.0	W	1400	1650	Eustes
82264	PEGN311LH	DRILLING ENGINEERING LAB	0.0	F	1400	1650	Bourgoyne
Prereq:	PEGN 315 FOR LEVEL UG WITH MIN. GRADE OF D AND DCGN 241 FOR LEVEL UG WITH MIN. GRADE OF D AND PEGN 251 FOR LEVEL UG WITH MIN. GRADE OF D						
80607	PEGN413A	GAS MSRMNT&FRMTN EVAL LAB	2.0	M	1300	1550	Graves
80608	PEGN413B	GAS MSRMNT&FRMTN EVAL LAB	2.0	M	1600	1850	Sami
81009	PEGN413C	GAS MSRMNT&FRMTN EVAL LAB	2.0	T	1300	1550	Graves
81178	PEGN413D	GAS MSRMNT&FRMTN EVAL LAB	2.0	F	0700	0950	Sami
Prereq:	PEGN 308 FOR LEVEL UG WITH MIN. GRADE OF D AND PEGN 310 FOR LEVEL UG WITH MIN. GRADE OF D AND PEGN 419 FOR LEVEL UG WITH MIN. GRADE OF D						
80609	PEGN414A	WELL TEST ANAYLSIS & DESIGN	3.0	TR	1100	1215	Ozkan
81448	PEGN414B	WELL TEST ANAYLSIS & DESIGN	3.0	TR	1400	1515	Ozkan
82308	PEGN419A	WELL LOG ANLYS & FORM EVAL	3.0	TR	1100	1150	Prasad
81179	PEGN419LA	WELL LOG ANLYS & FORM EVAL LAB	0.0	R	1300	1550	Prasad
81180	PEGN419LB	WELL LOG ANLYS & FORM EVAL LAB	0.0	R	1300	1550	Prasad
81530	PEGN419LC	WELL LOG ANLYS & FORM EVAL LAB	0.0	R	1600	1850	Prasad
81531	PEGN419LD	WELL LOG ANLYS & FORM EVAL LAB	0.0	R	1600	1850	Prasad
82259	PEGN419LE	WELL LOG ANLYS & FORM EVAL	0.0	R	1600	1850	Prasad
Prereq:	PEGN 308 FOR LEVEL UG WITH MIN. GRADE OF D AND GEOL 315 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) AND PEGN 310 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80611	PEGN422A	ECON&EVAL OIL/GAS PRJCTS	3.0	TR	0800	0915	Miskimins
Prereq:	PEGN 438 FOR LEVEL UG WITH MIN. GRADE OF D OR MNGN 438 FOR LEVEL UG WITH MIN. GRADE OF D						
80612	PEGN423A	PETROL RESERVOIR ENG I	3.0	TR	0930	1045	Van Kirk
Prereq:	PEGN 316 FOR LEVEL UG WITH MIN. GRADE OF D AND PEGN 419 FOR LEVEL UG WITH MIN. GRADE OF D						
80613	PEGN481A	PETROLEUM SEMINAR	2.0	M	1300	1450	Battalora
81857	PEGN481B	PETROLEUM SEMINAR	2.0	R	1530	1720	Battalora
81858	PEGN502A	ADV DRILLING FLUIDS	3.0	F	1300	1550	Bourgoyne

Petroleum Engineering

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
82439	PEGN503A	INTEGRATED EXPLORATION & DEV	3.0	R	1300	1450	Fleckenstein
				T	1300	1550	Fleckenstein
82262	PEGN504A	INTEGRATED EXPLORATION & DEV	3.0	R	1300	1450	
				T	1300	1550	
81860	PEGN505A	HORIZONTAL WELLS: RES & PROD A	3.0	W	1330	1630	Ozkan
82511	PEGN506A	ENHANCED OIL RECOVERY METHODS	3.0				
80614	PEGN513A	RESERVOIR SIMULATION I	3.0	R	0900	1150	Kazemi
82265	PEGN515A	RESERVOIR ENGINEERING PRIN	3.0	W	0900	1150	Wu
80615	PEGN516A	PRODUCTION ENGINEERING PRIN	3.0	T	0900	1150	Miller
82266	PEGN522A	ADVANCED WELL STIMULATION	3.0	M	0800	1050	Miskimins
81007	PEGN577A	WORKOVER DESIGN & PRACTICE	3.0	W	1830	2130	Fleckenstein
82417	PEGN590A	RESERVOIR GEOMECHANICS	3.0	M	1400	1650	Tutuncu
82437	PEGN593A	ADVANCED WELL INTEGRITY	3.0	W	0800	1050	Tutuncu
81452	PEGN681A	PETROLEUM ENGR SEMINAR	3.0	M	1600	1850	Battalora
81116	PEGN70501	GRADUATE RESEARCH CREDIT - MS	1-12				Prasad
80617	PEGN70502	GRADUATE RESEARCH CREDIT - MS	1-12				Van Kirk
80618	PEGN70504	GRADUATE RESEARCH CREDIT - MS	1-12				Graves
80619	PEGN70506	GRADUATE RESEARCH CREDIT - MS	1-12				Eustes
80620	PEGN70507	GRADUATE RESEARCH CREDIT - MS	1-12				Miller
80621	PEGN70508	GRADUATE RESEARCH CREDIT - MS	1-12				Ozkan
80622	PEGN70510	GRADUATE RESEARCH CREDIT - MS	1-12				Miskimins
80623	PEGN70511	GRADUATE RESEARCH CREDIT - MS	1-12				Kazemi
81453	PEGN70512	GRADUATE RESEARCH CREDIT - MS	1-12				Bourgoyne
81455	PEGN70513	GRADUATE RESEARCH CREDIT - MS	1-12				Wu
81457	PEGN70514	GRADUATE RESEARCH CREDIT - MS	1-12				Yin
82260	PEGN70515	GRADUATE RESEARCH CREDIT - MS	1-12				Tutuncu
81117	PEGN70601	GRADUATE RESEARCH CREDIT - PHD	1-12				Prasad
80624	PEGN70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Van Kirk
80625	PEGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Graves
80626	PEGN70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Eustes
80627	PEGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Miller
80628	PEGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Ozkan
80629	PEGN70610	GRADUATE RESEARCH CREDIT - PHD	1-12				Miskimins
80630	PEGN70611	GRADUATE RESEARCH CREDIT - PHD	1-12				Kazemi
81454	PEGN70612	GRADUATE RESEARCH CREDIT - PHD	1-12				Bourgoyne
81456	PEGN70613	GRADUATE RESEARCH CREDIT - PHD	1-12				Wu
81458	PEGN70614	GRADUATE RESEARCH CREDIT - PHD	1-12				Yin
82261	PEGN70615	GRADUATE RESEARCH CREDIT - PHD	1-12				Tutuncu

Physical Activities & Athletics

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80277	PAGN101A	PHYSICAL EDUCATION	.5.0	MW	0800	0850	Bostwick
80279	PAGN101C	PHYSICAL EDUCATION	.5.0	MW	0900	0950	Roberts
80280	PAGN101D	PHYSICAL EDUCATION	.5.0	MW	0900	0950	Mulholland
80281	PAGN101E	PHYSICAL EDUCATION	.5.0	MW	1000	1050	Cortis
80282	PAGN101F	PHYSICAL EDUCATION	.5.0	MW	1000	1050	Mulholland
80283	PAGN101G	PHYSICAL EDUCATION	.5.0	MW	1100	1150	Grinstead
80284	PAGN101H	PHYSICAL EDUCATION	.5.0	MW	1100	1150	Rowley
80285	PAGN101I	PHYSICAL EDUCATION	.5.0	MW	1200	1250	Benson
80286	PAGN101J	PHYSICAL EDUCATION	.5.0	MW	1200	1250	Marsh
80287	PAGN101K	PHYSICAL EDUCATION	.5.0	MW	1300	1350	Grinstead
81403	PAGN101L	PHYSICAL EDUCATION	.5.0	MW	1300	1350	Swett
80288	PAGN101M	PHYSICAL EDUCATION	.5.0	MW	1400	1450	Bodor
80289	PAGN101N	PHYSICAL EDUCATION	.5.0	MW	1400	1450	Swett
80290	PAGN101O	PHYSICAL EDUCATION	.5.0	T	0800	0929	Oates
80291	PAGN101P	PHYSICAL EDUCATION	.5.0	T	0800	0929	Hawkins
80292	PAGN101Q	PHYSICAL EDUCATION	.5.0	R	0800	0929	Mulholland
80293	PAGN101R	PHYSICAL EDUCATION	.5.0	R	0800	0929	Hawkins
80294	PAGN101S	PHYSICAL EDUCATION	.5.0	T	1000	1129	Jarry
80295	PAGN101T	PHYSICAL EDUCATION	.5.0	T	1000	1129	Rowley
80296	PAGN101U	PHYSICAL EDUCATION	.5.0	R	1000	1129	Bodor
80297	PAGN101V	PHYSICAL EDUCATION	.5.0	R	1000	1129	Jarry
80298	PAGN101W	PHYSICAL EDUCATION	.5.0	T	1200	1329	Bostwick
80299	PAGN101X	PHYSICAL EDUCATION	.5.0	T	1200	1329	Benson
80300	PAGN101Y	PHYSICAL EDUCATION	.5.0	R	1200	1329	Bodor
80301	PAGN101Z	PHYSICAL EDUCATION	.5.0	R	1200	1329	Barber
80302	PAGN151A	VARSITY BASEBALL	1.0	MTWRF	1600	1750	Oates
80303	PAGN153A	VARSITY MEN'S BASKETBALL	1.0	MTWRF	1600	1750	Orser
81404	PAGN154A	VARSITY WOMEN'S BASKETBALL	1.0	MTWRF	1600	1750	Krueger
80304	PAGN157A	VARSITY CROSS COUNTRY	1.0	MTWRF	1600	1750	Siemers
80305	PAGN159A	VARSITY FOOTBALL	1.0	MTWRF	1600	1850	Grinstead
80306	PAGN161A	VARSITY GOLF	1.0	MTWRF	1600	1750	Kimble
80307	PAGN167A	VARSITY MEN'S SOCCER	1.0	MTWRF	1600	1750	Kohlenstein
81405	PAGN168A	VARSITY WOMEN'S SOCCER	1.0	MTWRF	1600	1750	Fickes
80308	PAGN169A	VARSITY SWIMMING & DIVING	1.0	MTWRF	1600	1750	Rothman
80309	PAGN173A	VARSITY TRACK & FIELD	1.0	MTWRF	1600	1750	Siemers
80310	PAGN175A	VARSITY WRESTLING	1.0	MTWRF	1600	1750	Hutchens
80311	PAGN177A	VARSITY VOLLEYBALL	1.0	MTWRF	1600	1750	Skadeland
80312	PAGN179A	VARSITY SOFTBALL	1.0	MTWRF	1600	1759	Hawkins
80946	PAGN201A	Personal Wellness	1.0	MW	1100	1150	Sims
81406	PAGN202A	INDOOR SOCCER	.5.0	R	1000	1129	Cortis
81407	PAGN202B	INDOOR SOCCER	.5.0	T	1000	1129	Cortis
82381	PAGN203A	TECH RELAXATION	.5.0	MW	1000	1050	Roberts
81411	PAGN205A	BEGINNING KARATE	.5.0	MW	1300	1350	Tsutsui
81412	PAGN206A	INTERMEDIATE/ADVANCED KARATE	.5.0	MW	1400	1450	Tsutsui
81408	PAGN207A	TRAIL RUNNING	.5.0	R	0800	0929	Barber
81413	PAGN209A	AIKIDO	.5.0	T	0800	0929	Crocker
81414	PAGN209B	AIKIDO	.5.0	R	0800	0929	Crocker
81415	PAGN210A	HIKING	.5.0	R	1200	1329	Hutchens
81416	PAGN210B	HIKING	.5.0	T	1000	1129	Hutchens
80313	PAGN211A	BEGINNING SWIMMING	.5.0	MW	0800	0850	Rothman

Physical Activities & Athletics

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80951	PAGN211B	BEGINNING SWIMMING	.5.0	MW	1300	1350	Rothman
80315	PAGN221A	BEGINNING WEIGHT TRAINING	.5.0	MW	0800	0850	Grinstead
80316	PAGN221B	BEGINNING WEIGHT TRAINING	.5.0	R	1200	1329	Long
80317	PAGN221C	BEGINNING WEIGHT TRAINING	.5.0	MW	1100	1150	Bostwick
80318	PAGN221D	BEGINNING WEIGHT TRAINING	.5.0	R	1000	1129	Long
80320	PAGN222B	ADVANCED WEIGHT TRAINING	.5.0	MW	1000	1050	Lewis
80321	PAGN222C	ADVANCED WEIGHT TRAINING	.5.0	MW	1300	1350	Long
80322	PAGN222D	ADVANCED WEIGHT TRAINING	.5.0	T	0800	0929	Swett
80323	PAGN223A	DISTANCE RUNNING	.5.0	MW	0800	0850	Siemers
81181	PAGN223B	DISTANCE RUNNING	.5.0	MW	0900	0950	Siemers
80324	PAGN232A	YOGA	.5.0	MW	0900	0950	Cirillo
82379	PAGN232B	YOGA	.5.0	R	0930	1059	Cirillo
82380	PAGN232C	YOGA	.5.0	MW	1100	1150	Cirillo
81409	PAGN235A	AEROBICS	.5.0	MW	0700	0750	Pike
80325	PAGN241A	WOMEN'S WEIGHT TRAINING	.5.0	MW	1200	1250	Hutchens
80326	PAGN242A	WOMEN'S RACQUETBALL	.5.0	MW	1100	1150	Lewis
80327	PAGN251A	GOLF	.5.0	T	1000	1129	Schick
80328	PAGN251B	GOLF	.5.0	R	1000	1129	Schick
81182	PAGN251C	GOLF	.5.0	T	1000	1129	Kimble
81183	PAGN251D	GOLF	.5.0	R	1000	1129	Kimble
81085	PAGN255A	MOUNTAIN BIKING	.5.0	F	1315	1635	Thompson
81410	PAGN257A	INTRO TO ROCK CLIMBING	.5.0	R	1530	1710	Thompson
81086	PAGN258A	WOMENS ROCK CLIMBING	.5.0	T	1530	1710	Rohde
80329	PAGN271A	BEGINNING BADMINTON	.5.0	T	1000	1130	Kohlenstein
80330	PAGN273A	BEGINNING BASKETBALL	.5.0	MW	0900	0950	Rowley
80331	PAGN274A	ADVANCED BASKETBALL	.5.0	MW	1000	1050	Schick
80332	PAGN275A	VOLLEYBALL	.5.0	T	0800	0929	Roberts
80334	PAGN277A	BEGINNING RACQUETBALL	.5.0	MW	1200	1250	Lewis
80335	PAGN279A	HANDBALL	.5.0	TR	1600	1650	Schneider
81512	PAGN280A	CLUB SPORTS	.5.0				Howard
Prereq:	PAGN 101 FOR LEVEL UG WITH MIN. GRADE OF D AND PAGN 102 FOR LEVEL UG WITH MIN. GRADE OF D						

Physics

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80851	PHGN100A	PHYSICS I- MECHANICS (SC1)	4.5.0	MW	0900	0950	Flournoy
80852	PHGN100B	PHYSICS I- MECHANICS (SC1)	4.5.0	MW	1000	1050	Flournoy
80948	PHGN100C	PHYSICS I- MECHANICS (SC1)	4.5.0	MW	1400	1450	Ruskell
81603	PHGN100D	PHYSICS I- MECHANICS (SC1)	4.5.0	MW	1500	1550	Stone
80853	PHGN100SA	PHYSICS I- MECHANICS (SC1)	0.0	TR	0800	0950	Flournoy
80854	PHGN100SB	PHYSICS I- MECHANICS (SC1)	0.0	TR	1000	1150	Stone
80855	PHGN100SC	PHYSICS I- MECHANICS (SC1)	0.0	TR	1200	1350	Ruskell
80856	PHGN100SD	PHYSICS I- MECHANICS (SC1)	0.0	TR	1400	1550	Ruskell
81004	PHGN100SE	PHYSICS I- MECHANICS (SC1)	0.0	TR	1600	1750	Ruskell
Prereq:	(MACS 111 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 111 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 112 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 122 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 112 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 122 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
80859	PHGN200A	PHYSICS II-ELCTRMGT/OPTC (SC1)	4.5.0	TR	0800	0850	Kohl
80857	PHGN200B	PHYSICS II-ELCTRMGT/OPTC (SC1)	4.5.0	TR	0930	1020	Kohl
80858	PHGN200C	PHYSICS II-ELCTRMGT/OPTC (SC1)	4.5.0	TR	1400	1450	Kuo
80860	PHGN200SA	PHYSICS II-ELCTRMGT/OPTC (SC1)	0.0	WF	0800	0950	Kuo
80861	PHGN200SB	PHYSICS II-ELCTRMGT/OPTC (SC1)	0.0	WF	1000	1150	Kuo
80862	PHGN200SC	PHYSICS II-ELCTRMGT/OPTC (SC1)	0.0	WF	1200	1350	Kuo
80863	PHGN200SD	PHYSICS II-ELCTRMGT/OPTC (SC1)	0.0	WF	1400	1550	Kuo
81384	PHGN200SE	PHYSICS II-ELCTRMGT/OPTC (SC1)	0.0	WF	1600	1750	Kuo
Prereq:	(PHGN 100 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 110 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MACS 213 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 223 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 213 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 223 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 224 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 224 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
80688	PHGN300A	PHYSICS III - MODERN PHYSICS	3.0	MWF	1400	1450	Wiencke
	(MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)) AND (PHGN 200 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 210 FOR LEVEL UG WITH MIN. GRADE OF D)						
80689	PHGN311A	INTRO TO MATHEMATICAL PHYSICS	3.0	MWF	1000	1050	Collins
Prereq:	(MACS 315 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 325 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 225 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 235 FOR LEVEL UG WITH MIN. GRADE OF D) AND (PHGN 300 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 310 FOR LEVEL UG WITH MIN. GRADE OF D) AND (MATH 332 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 332 FOR LEVEL UG WITH MIN. GRADE OF D OR MACS 342 FOR LEVEL UG WITH MIN. GRADE OF D OR MATH 342 FOR LEVEL UG WITH MIN. GRADE OF D)						
80690	PHGN315A	ADVANCED PHYSICS LAB	2.0	T	0900	1150	Kowalski
80691	PHGN315B	ADVANCED PHYSICS LAB	2.0	R	1300	1550	Kowalski
Prereq:	PHGN 300 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 310 FOR LEVEL UG WITH MIN. GRADE OF D						
80864	PHGN317A	SEMICNDCTR CIRCUITS-DIGT	3.0	MW	1300	1350	Squier
80865	PHGN317LA	SEMICNDCTR CIRCUITS-DIGT	0.0	T	1300	1550	Hill
80866	PHGN317LB	SEMICNDCTR CIRCUITS-DIGT	0.0	R	0900	1150	Hill
Prereq:	PHGN 215 FOR LEVEL UG WITH MIN. GRADE OF D						
80692	PHGN340A	COOP ED - PH	3.0				Furtak

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<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80693	PHGN350A	INTERMEDIATE MECHANICS	4.0	MWF	1100	1210	Flammer
Prereq:	(PHGN 200 FOR LEVEL UG WITH MIN. GRADE OF D OR PHGN 210 FOR LEVEL UG WITH MIN. GRADE OF D) AND PHGN 311 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
80936	PHGN422A	NUCLEAR PHYSICS	3.0	TR	1400	1515	Sarazin
80695	PHGN440A	SOLID STATE PHYSICS	3.0	MWF	1300	1350	Toberer
Prereq:	PHGN 320 FOR LEVEL UG WITH MIN. GRADE OF D						
82455	PHGN450A	COMPUTATIONAL PHYSICS	3.0	T	1230	1345	Coffey
Prereq:	PHGN 311 FOR LEVEL UG WITH MIN. GRADE OF D						
80696	PHGN462A	ADV ELECTROMAGNETISM	3.0	MWF	1200	1250	Scales
Prereq:	PHGN 361 FOR LEVEL UG WITH MIN. GRADE OF D						
80697	PHGN471A	SENIOR DESIGN PRINCIPLES	.5.0	T	0930	1020	Young
Prereq:	PHGN 384 FOR LEVEL UG WITH MIN. GRADE OF D AND PHGN 326 FOR LEVEL UG WITH MIN. GRADE OF D AND PHGN 481 (MAY BE TAKEN CONCURRENTLY)						
81703	PHGN472A	SENIOR DESIGN PRINCIPLES	.5.0	T	0930	1020	Young
Prereq:	PHGN 384 FOR LEVEL UG WITH MIN. GRADE OF D AND PHGN 326 FOR LEVEL UG WITH MIN. GRADE OF D AND (PHGN 482 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY) OR PHGN 492 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY))						
81153	PHGN480A	LASER PHYSICS	3.0	TR	1100	1215	Durfee
Prereq:	PHGN 320 FOR LEVEL UG WITH MIN. GRADE OF D AND PHGN 462 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81152	PHGN481A	SENIOR DESIGN PRACTICE	2.5.0				Furtak
81346	PHGN481B	SENIOR DESIGN PRACTICE	2.5.0				Collins
81345	PHGN481C	SENIOR DESIGN PRACTICE	2.5.0				Wiencke
81347	PHGN481D	SENIOR DESIGN PRACTICE	2.5.0				Ohno
81348	PHGN481E	SENIOR DESIGN PRACTICE	2.5.0				Kuo
81349	PHGN481F	SENIOR DESIGN PRACTICE	2.5.0				Carr
81350	PHGN481G	SENIOR DESIGN PRACTICE	2.5.0				Durfee
81351	PHGN481H	SENIOR DESIGN PRACTICE	2.5.0				Norrgran
81352	PHGN481I	SENIOR DESIGN PRACTICE	2.5.0				Sarazin
81353	PHGN481J	SENIOR DESIGN PRACTICE	2.5.0				Greife
81354	PHGN481K	SENIOR DESIGN PRACTICE	2.5.0				Cecil
81355	PHGN481L	SENIOR DESIGN PRACTICE	2.5.0				Young
82185	PHGN481M	SENIOR DESIGN PRACTICE	2.5.0				Kowalski
81357	PHGN481N	SENIOR DESIGN PRACTICE	2.5.0				Lusk
81358	PHGN481O	SENIOR DESIGN PRACTICE	2.5.0				Coffey
81359	PHGN481P	SENIOR DESIGN PRACTICE	2.5.0				Scales
81360	PHGN481Q	SENIOR DESIGN PRACTICE	2.5.0				Squier
81751	PHGN481R	SENIOR DESIGN PRACTICE	2.5.0				Flammer
81752	PHGN481S	SENIOR DESIGN PRACTICE	2.5.0				Flournoy
81753	PHGN481T	SENIOR DESIGN PRACTICE	2.5.0				Wu
81754	PHGN481U	SENIOR DESIGN PRACTICE	2.5.0				Taylor
82186	PHGN481V	SENIOR DESIGN PRACTICE	2.5.0				Sava
81756	PHGN481W	SENIOR DESIGN PRACTICE	2.5.0				Beach
81757	PHGN481X	SENIOR DESIGN PRACTICE	2.5.0				Kohl
Prereq:	PHGN 384 FOR LEVEL UG WITH MIN. GRADE OF D AND PHGN 326 FOR LEVEL UG WITH MIN. GRADE OF D AND PHGN 471 (MAY BE TAKEN CONCURRENTLY)						

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<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
81704	PHGN482A	SENIOR DESIGN PRACTICE	2.5.0				Furtak
82184	PHGN482B	SENIOR DESIGN PRACTICE	2.5.0				Kowalski
82201	PHGN482C	SENIOR DESIGN PRACTICE	2.5.0				Sava
Prereq:	PHGN 384 FOR LEVEL UG WITH MIN. GRADE OF D AND PHGN 326 FOR LEVEL UG WITH MIN. GRADE OF D AND PHGN 472 FOR LEVEL UG WITH MIN. GRADE OF D (MAY BE TAKEN CONCURRENTLY)						
81361	PHGN491A	HONORS SENIOR DESIGN PRACTICE	2.5.0				Carr
81362	PHGN491B	HONORS SENIOR DESIGN PRACTICE	2.5.0				Collins
81363	PHGN491C	HONORS SENIOR DESIGN PRACTICE	2.5.0				Coffey
81364	PHGN491D	HONORS SENIOR DESIGN PRACTICE	2.5.0				Sarazin
82187	PHGN491E	HONORS SENIOR DESIGN PRACTICE	2.5.0				Flammer
81366	PHGN491F	HONORS SENIOR DESIGN PRACTICE	2.5.0				Wiencke
81766	PHGN491G	HONORS SENIOR DESIGN PRACTICE	2.5.0				Durfee
81773	PHGN491H	HONORS SENIOR DESIGN PRACTICE	2.5.0				Wu
82188	PHGN491I	HONORS SENIOR DESIGN PRACTICE	2.5.0				Taylor
82189	PHGN491J	HONORS SENIOR DESIGN PRACTICE	2.5.0				Lusk
82190	PHGN491K	HONORS SENIOR DESIGN PRACTICE	2.5.0				Greife
82456	PHGN497AA	SPECIAL FALL COURSE	1.0				Cecil
80698	PHGN501A	GRADUATE SEMINAR I	1.0	T	1600	1650	
81147	PHGN505A	CLASSICAL MECHANICS I	3.0	TR	0800	0915	Ohno
80814	PHGN511A	MATHEMATICAL PHYSICS I	3.0	MWF	1500	1550	Lusk
81385	PHGN521A	QUANTUM MECHANICS II	3.0	MWF	1400	1450	Bernard
81386	PHGN530A	STATISTICAL MECHANICS	3.0	TR	0930	1045	Wood
80699	PHGN601A	ADVANCED GRADUATE SEMINAR	1.0	T	1600	1650	
81589	PHGN70501	GRADUATE RESEARCH CREDIT - MS	1-14				Flammer
81807	PHGN70502	GRADUATE RESEARCH CREDIT - MS	1-14				Wu
80700	PHGN70503	GRADUATE RESEARCH CREDIT - MS	1-14				Cecil
80701	PHGN70504	GRADUATE RESEARCH CREDIT - MS	1-14				Collins
80702	PHGN70505	GRADUATE RESEARCH CREDIT - MS	1-14				Furtak
80703	PHGN70506	GRADUATE RESEARCH CREDIT - MS	1-14				Kowalski
80704	PHGN70507	GRADUATE RESEARCH CREDIT - MS	1-14				Greife
80705	PHGN70508	GRADUATE RESEARCH CREDIT - MS	1-14				Williamson
82064	PHGN70509	GRADUATE RESEARCH CREDIT - MS	1-14				Kohl
80707	PHGN70512	GRADUATE RESEARCH CREDIT - MS	1-14				Ohno
80708	PHGN70513	GRADUATE RESEARCH CREDIT - MS	1-14				Wood
80709	PHGN70514	GRADUATE RESEARCH CREDIT - MS	1-14				Durfee
80711	PHGN70517	GRADUATE RESEARCH CREDIT - MS	1-14				Squier
80712	PHGN70518	GRADUATE RESEARCH CREDIT - MS	1-14				Sarazin
80958	PHGN70519	GRADUATE RESEARCH CREDIT - MS	1-14				Scales
81155	PHGN70520	GRADUATE RESEARCH CREDIT - MS	1-14				Taylor
80960	PHGN70521	GRADUATE RESEARCH CREDIT - MS	1-14				Carr
81156	PHGN70522	GRADUATE RESEARCH CREDIT - MS	1-14				Coffey
81158	PHGN70523	GRADUATE RESEARCH CREDIT - MS	1-14				Lusk
81161	PHGN70524	GRADUATE RESEARCH CREDIT - MS	1-14				Wiencke
81808	PHGN70602	GRADUATE RESEARCH CREDIT - PHD	1-12				Wu
80713	PHGN70603	GRADUATE RESEARCH CREDIT - PHD	1-12				Cecil
80714	PHGN70604	GRADUATE RESEARCH CREDIT - PHD	1-12				Collins
80715	PHGN70605	GRADUATE RESEARCH CREDIT - PHD	1-12				Furtak
80716	PHGN70606	GRADUATE RESEARCH CREDIT - PHD	1-12				Kowalski
80717	PHGN70607	GRADUATE RESEARCH CREDIT - PHD	1-12				Greife

Physics

<i>CRN</i>	<i>Course No</i>	<i>Course Title</i>	<i>Hrs</i>	<i>Days</i>	<i>Start</i>	<i>End</i>	<i>Instructor</i>
80718	PHGN70608	GRADUATE RESEARCH CREDIT - PHD	1-12				Williamson
82065	PHGN70609	GRADUATE RESEARCH CREDIT - PHD	1-12				Kohl
80721	PHGN70612	GRADUATE RESEARCH CREDIT - PHD	1-12				Ohno
80720	PHGN70613	GRADUATE RESEARCH CREDIT - PHD	1-12				Wood
80722	PHGN70614	GRADUATE RESEARCH CREDIT - PHD	1-12				Durfee
80724	PHGN70617	GRADUATE RESEARCH CREDIT - PHD	1-12				Squier
80725	PHGN70618	GRADUATE RESEARCH CREDIT - PHD	1-12				Sarazin
80961	PHGN70619	GRADUATE RESEARCH CREDIT - PHD	1-12				Scales
80959	PHGN70620	GRADUATE RESEARCH CREDIT - PHD	1-12				Taylor
80962	PHGN70621	GRADUATE RESEARCH CREDIT - PHD	1-12				Carr
81157	PHGN70622	GRADUATE RESEARCH CREDIT - PHD	1-12				Coffey
81159	PHGN70623	GRADUATE RESEARCH CREDIT - PHD	1-12				Lusk
81160	PHGN70624	GRADUATE RESEARCH CREDIT - PHD	1-12				Wiencke