

Winter Quarter 2010
Class Schedule



NORTHWESTERN UNIVERSITY

Pre-Registration: November 9 - 12
(Limited to Certain Departments only)

Registration: November 16 - January 3
(All Students)

Change of Registration Period: January 4 - 8
(All Students)

ACADEMIC CALENDAR

2009-2010

FALL QUARTER 2009

SEPTEMBER

- 1 Tuesday Tuition due, Fall Quarter
- 11 Friday Registration for Fall Quarter ends 5 p.m.
- 14 Monday New Graduate Student Orientation, Norris University Center, 9 a.m. - 5 p.m.
- 15 Tuesday New Student Orientation begins, Fall Quarter
- 15 Tuesday Residence halls open, Fall Quarter
- 18 Friday New Student Registration, Fall Quarter
- 22 Tuesday Classes for Fall Quarter 2009 begin 8 a.m.
- 22 Tuesday Classes begin for the School of Continuing Studies, Fall Quarter 2009, 6:15 p.m.
- 22 Tuesday Change of Registration Period (add/drop)
/Late registration for returning students for Fall Quarter begins
- 22 Tuesday First day to initiate transfer from one school of NU to another for Winter Quarter
- 25 Friday Applications due for make-up examinations, Fall Quarter
- 28 Monday Last day for late registration, Fall Quarter
- 28 Monday Last day for students in The Graduate School to change grading status from grade to P-N or vice versa for Fall Quarter
- 28 Monday Last day for adding any course or changing a section for Fall Quarter.
No refunds or bill reductions made on any changes of registration after this date.

OCTOBER

- 9 Friday Last day for undergraduate students to change grading status from grade to P-N or vice versa for Fall Quarter
- 21 Wednesday Last day for students to submit completed Inter-School Transfer applications to Dean's Office of the proposed school
- 30 Friday Last day for dropping any course for Fall Quarter.
(No tuition adjustment after Monday, September 28)
- 30 Friday Last day to withdraw for Fall Quarter without academic review

NOVEMBER

- 16 Monday Registration for Winter Quarter begins
- 16 Monday Registration begins for the School of Continuing Studies - Winter Quarter
- 25 Wednesday Thanksgiving vacation begins 6 p.m.
- 26 Thursday Thanksgiving Day
- 30 Monday Classes for Fall Quarter resume 8 a.m.
- 30 Monday Classes for the School of Continuing Studies for Fall Quarter resume 6:15 p.m.
- 30 Monday WCAS Reading Period begins

DECEMBER

- 1 Tuesday Last day for current students to file undergraduate financial aid applications for Winter
- 5 Saturday Last day of classes for Fall Quarter
- 7 Monday Fall Quarter examinations begin
- 11 Friday Fall quarter examinations end. Vacation begins 6 p.m.
- 12 Saturday Fall Quarter ends for the School of Continuing Studies

WINTER QUARTER 2010

JANUARY

- 1 Friday Tuition due, Winter Quarter
- 4 Monday Classes for Winter Quarter 2010 begin 8 a.m.
- 4 Monday Classes begin for the School of Continuing Studies for Winter Quarter 2010, 6:15 p.m.
- 4 Monday New and Transfer Student Registration for Winter Quarter
- 4 Monday First day to initiate transfer from one school of NU to another for Spring Quarter
- 4 Monday Change of Registration period (add/drop)
Late registration for Returning students for Winter Quarter begins
- 8 Friday Applications due for make-up examinations, Winter Quarter
- 8 Friday Last day for adding any course or changing a section for Winter Quarter.
No refunds or bill reductions made on any changes of registration after this date.
- 8 Friday Last day for late registration, Winter Quarter
- 8 Friday Last day for students in The Graduate School to change grading status from grade to P-N or vice versa for Winter Quarter
- 18 Monday Suspension of classes for observance of Martin Luther King Jr. Day
- 21 Thursday Fall/Full year applications for Study Abroad due in the Study Abroad Office by 5 p.m. for people with last names A through G
- 22 Friday Last day for undergraduate students to change grading status from grade to P-N or vice versa for Winter Quarter
- 26 Tuesday Fall/Full year applications for Study Abroad due in the Study Abroad Office by 5 p.m. for people with last names H through O
- 29 Friday Fall/Full year applications for Study Abroad due in the Study Abroad Office by 5 p.m. for people with last names P through Z

FEBRUARY

- 3 Wednesday Last day for students to submit completed Inter-School Transfer applications to Dean's Office of the proposed school
 - 12 Friday Last day for dropping any course for Winter Quarter.
(No tuition adjustment after Friday, January 8)
 - 12 Friday Last day to withdraw for Winter Quarter without academic review
 - 22 Monday Registration for Spring Quarter begins
 - 22 Monday Registration begins for the School of Continuing Studies - Spring Quarter
- ### MARCH
- 2 Tuesday Last day for current students to file undergraduate financial aid applications for Spring Quarter
 - 3 Wednesday Summer Application for Study Abroad due in the Study Abroad Office by 5 p.m.
 - 9 Tuesday WCAS Reading Period begins
 - 13 Saturday Last day of classes for Winter Quarter
 - 15 Monday Winter Quarter examinations begin
 - 19 Friday Winter Quarter examinations end. Vacation begins at 6 p.m.
 - 20 Saturday Winter Quarter ends for the School of Continuing Studies

SPRING QUARTER 2010

- 29 Monday Classes for Spring Quarter 2010 begin 8 a.m.
- 29 Monday Classes begin for the School of Continuing Studies for Spring Quarter 2010 6:15 p.m.
- 29 Monday New and Transfer Student Registration for Spring Quarter
- 29 Monday First day to initiate transfer from one school of N.U. to another for Summer Session or Fall
- 29 Monday Change of Registration period (add/drop)
Late registration for Returning students for Spring Quarter begins

APRIL

- 1 Thursday Tuition due, Spring Quarter
- 2 Friday Applications due for make-up examinations, Spring Quarter
- 2 Friday Last day for late registration, Spring Quarter
- 2 Friday Last day for students in The Graduate School to change grading status from grade to P-N or vice versa for Spring Quarter
- 2 Friday Last day for adding any course or changing a section for Spring Quarter.
No refunds or bill reductions made on any changes of registration after this date
- 12 Monday Registration for Summer Session begins for current undergraduate and graduate students and Continuing Studies students
- 16 Friday Last day for undergraduate students to change grading status from grade to P/N or vice versa for Spring Quarter
- 28 Wednesday Last day for students to submit completed Inter-School Transfer applications to Dean's Office of the proposed school
- 30 Friday Last day for current students to file undergraduate financial aid applications for 2010-11

MAY

- 7 Friday Last day for dropping any course for Spring Quarter (No tuition adjustment after Friday, April 2)
- 7 Friday Last day to withdraw for Spring Quarter without academic review
- 17 Monday Registration for Fall Quarter 2009 begins
- 31 Monday Memorial Day: Legal Holiday, Classes will not be held

JUNE

- 1 Tuesday Tuition due, Summer Session
- 1 Tuesday WCAS Reading Period begins
- 2 Wednesday Winter/Spring applications for Study Abroad due in the Study Abroad Office by 5 p.m.
- 5 Saturday Last day of classes for Spring Quarter
- 7 Monday Spring Quarter examinations begin
- 11 Friday Spring Quarter examinations end 6 p.m.
- 12 Saturday Spring Quarter ends for the School of Continuing Studies
- 18 Friday Baccalaureate
- 18 Friday One Hundred Fifty-Second Commencement

THE UNIVERSITY RESERVES THE RIGHT TO MAKE CHANGES TO THIS CALENDAR

TABLE OF CONTENTS

Information:

Academic Calendar.....	ii
Building Abbreviations.....	ix
CAESAR Registration Tip Sheet.....	x
Campus Map.....	Back Page
Change of Registration.....	vii
Course Attributes.....	ix
Course Change Deadlines.....	iii
Final Exam Schedule.....	iv
Graduate Registration.....	vii
Understanding Registration Appointments.....	v
P-N Regulations.....	viii
Pre-Registration Appointments.....	vi
Registration Appointments.....	vi
Registration Dates.....	vii
WCAS Distribution Requirements.....	xi
Withdrawal.....	ix

Course Listings

Weinberg College of Arts and Sciences

African & Asian Languages.....	4
African American Studies.....	5
African Studies.....	5
American Studies.....	5
Asian & Middle Eastern Studies.....	6
Anthropology.....	6
Art Theory & Practice.....	6
Art History.....	7
Asian American Studies.....	7
Astronomy.....	7

Biological Sciences.....	8
Business Institutions.....	8
Chicago Field Studies.....	9
Chemistry.....	9
Classics – English.....	10
Cognitive Science.....	10
Comparative Literary Studies.....	11
Earth and Planetary Science.....	11
Economics.....	11
English.....	12
Environmental Policy & Culture.....	15
Environmental Sciences.....	15
European Studies.....	15
French.....	15
Global Health.....	15
General Liberal Arts.....	16
Geography.....	16
German.....	16
Gender Studies.....	16
Greek.....	17
History.....	17
Humanities.....	20
Interdepartmental Biological Sciences.....	20
Integrated Science.....	21
International Studies.....	21
NU Initiative for Sustainability & Energy.....	21
Italian.....	21
Jewish Studies.....	21
Latin.....	22
Latina & Latino Studies.....	22

Legal Studies.....	22
Linguistics.....	22
Mathematics.....	22
Mathematical Methods in the Social Sciences.....	23
Neurobiology & Physiology.....	23
Philosophy.....	24
Physics.....	25
Political Science.....	26
Portuguese.....	27
Psychology.....	28
Religion.....	29
Slavic Languages & Literature.....	30
Sociology.....	30
Spanish.....	31
Statistics.....	33
Urban Studies.....	33
Writing Arts.....	33

J L Kellogg School of Management.....	1
School of Education & Social Policy.....	1
Medill School of Journalism.....	3
Bienen School of Music.....	33
School of Communication.....	41
McCormick School of Engineering & Applied Science.....	47
Graduate Programs.....	54
Non-Degree.....	54

IMPORTANT INFORMATION

- § **Undergraduates** intending to graduate June or August 2010 must file a degree application immediately. Undergraduates intending to graduate should file a degree application one year in advance before the anticipated graduation as these petitions affect registration appointments. Forms are available in the Office of the Registrar or at school offices. Engineering students should apply at the Engineering Academic Services Office (TCH L269).
- § **Addresses** – It is each student's responsibility to ensure that their addresses on record are complete and accurate. Students may view and modify billing, current and permanent addresses through CAESAR.
- § **New Undergraduate Transfer Students** who do not have an active netid must see a degree auditor in the Office of the Registrar after meeting with their advisor.
- § **Quarterly Grade Reports** are not mailed, but are delivered through CAESAR. A printout of the CAESAR record may be made for the purpose of verification.
- § **Room Assignments and class offerings may change after the publication of the class schedule. Please review your room assignments online before the first day of classes.**

COURSE CHANGE DEADLINES

No course may be *added* after Friday, January 8, 2010.

No course may be *dropped* after Friday, February 12, but *tuition is not adjusted* for courses dropped after January 8, 2010.

Graduate students may not change grading options of any course after 5:00 PM on Friday, January 8, 2010.

Undergraduates may not change grading options (P/N or 'For a grade') after 5:00 PM on Friday, January 22, 2010.

Failure to read the class schedule does not excuse members of the NU community from knowledge of the information contained within.

**The university reserves the right to make changes to this schedule at any time.
Please check CAESAR for the most up-to-date information.**

Understanding Your Registration Appointment Time

What is the policy?

Undergraduate appointment times are based on the **number of completed quarters** at Northwestern.

Pre-registration and registration periods will be assigned as follows:

- Students with **8 or more** completed quarters will register in the **first group***
- Students with **5 to 7** completed quarters will register in the **second group**
- Students with **2 to 4** quarters will register in the **third group**
- Students with **0 or 1** completed quarter will register in the **fourth group**

See below for a description of how student ID's are assigned to each registration group.

What is a "completed quarter"?

For students who began at Northwestern as freshmen:

A Fall, Winter or Spring quarter in which you earned one or more credits or a Summer quarter in which you earned at least three credits. Term-long enrollment in either affiliated or unaffiliated study abroad is considered a "completed quarter." Enrollment in the current term is not counted.

For students who transferred to Northwestern:

Calculate your total number of completed quarters by dividing your number of transfer credits by 4 and rounding up to the nearest whole number. That number, plus the number of quarters completed at Northwestern (computed in the same way as the above group of students), is your total number of completed quarters.

Special Note: All incoming students enroll on the same day during Fall new student orientation. Transfer status is reflected in your registration appointment beginning with Winter quarter registration.

* What if I'm graduating in the next three quarters?

If you have completed fewer than eight quarters but will complete your degree requirements in three or fewer quarters, and you have submitted a petition to graduate by the petition deadline you will register in the first group. This allowance was made so that students prepared to graduate early have the opportunity to enroll in classes they need to fulfill remaining requirements.

Students must petition to graduate by the Inter-School Transfer deadline so the Office of the Registrar has time to calculate and input students' information in CAESAR. The Inter-School Transfer deadline is Wednesday of the fifth week of the quarter and one week before registration appointments are published in CAESAR.

How Are the Student ID's rotated within the Registration Groups?

Within the groups appointment times are assigned by the last two digits of the student ID and rotated systematically throughout each academic year based generally on the following principles:

1. There are 100 combinations of the last two digits of student ID numbers, 00 through 99.
2. These 100 combinations are divided into thirds, designated below as **A**, **B**, and **C**.
3. The groups of student ID's within each third are rotated over four years of quarterly registrations.
4. The student ID's are rotated within each third quarterly.

	Group 4			Group 3			Group 2			Group 1		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Upper	A	B	C	B	C	A	C	A	B	A	B	C
Middle	B	C	A	C	A	B	A	B	C	B	C	A
Lower	C	A	B	A	B	C	B	C	A	C	A	B

Winter 2010 Registration Appointment Times

Students may register any time after their appointment, but not before.

Pre-Registration November 9-12, 2009

Please consult the department of your major to confirm that they have chosen to participate in pre-registration. If so, the following times apply:

	9:00	9:45	10:30	11:15	12:00	12:45	1:30	2:15	3:00	3:45
Group 1 Monday, Nov. 9	70-79	80-89	90-99	00-09	10-19	20-29	30-39	40-49	50-59	60-69
Group 2 Tuesday, Nov. 10	00-09	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
Group 3 Wednesday, Nov.11	70-79	80-89	90-99	00-09	10-19	20-29	30-39	40-49	50-59	60-69
Group 4 Thursday, Nov. 12	40-49	50-59	60-69	70-79	80-89	90-99	00-09	10-19	20-29	30-39

Registration November 16-20, 2009

		8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	1:00	1:30	2:00	2:30	3:00	3:30	4:00
Group 1	Monday Nov. 16	95-99	88-94	74-80	67-73	81-87	28-33	21-27	07-13	00-06	14-20	55-61	62-66	34-40	41-47	48-54	
Group 2	Tues Nov. 17	41-47	34-40	48-54	62-66	55-61	67-73	74-80	81-87	88-94	95-99	00-06	07-13	14-20	21-27	28-33	
Group 3	Wed Nov. 18	12-15	16-19	20-23	28-33	24-27	00-03	08-11	04-07	46-49	50-53	58-61	62-66	54-57	38-41	42-45	34-37
Group 3 (Cont.)	Thurs Nov. 19	79-82	83-86	91-94	95-99	87-90	71-74	75-78	67-70								
Group 4	Thurs Nov. 19									95-99	87-90	91-94	75-78	67-70	71-74	83-86	79-82
Group 4, (Cont.)	Friday Nov. 20	28-33	24-27	20-23	08-11	04-07	00-03	16-19	12-15	62-66	54-57	58-61	42-45	34-37	38-41	50-53	46-49

WINTER 2010 REGISTRATION

Registration

Begins Monday, November 16, 8:30 AM
Registration will remain open until the 1st day of class

Change of Registration Period

Monday, January 4, 2010, 9:00 AM
Through Friday, January 8, 5:00 PM

CAESAR is active 24 hours a day throughout the week, but may be down for maintenance Saturday evenings from 9:00 pm until Sunday at noon.

Graduate Registration

- § All graduate students may begin registration at 8:30am, Monday, November 16, and may attempt no more than 4 units of credit.
- § TGS students desiring to take classes in other schools are **no longer required to secure signatures** of their department and TGS advisors to enroll in classes offered by the schools below. TGS students wishing to add classes offered by these schools need simply **to secure a permission number** from the department offering the class **and enroll themselves via CAESAR**.

McCormick School of Engineering & Applied Sciences
School of Communication
School of Music

Medill School of Journalism, undergraduate classes
School of Education & Social Policy
Weinberg College of Arts and Sciences

TGS Graduate students wishing to enroll in classes offered by any other NU school should secure the signature of the department offering the course and of their TGS advisor on a Registration Exception form, and submit the signed form to the Office of the Registrar to be enrolled in the class. Graduate students in schools other than TGS should check with their program coordinator for their policy on dual registration.

Change of Registration Period

- § Students who did not register in advance (Nov. 9 - First day of class) must register during this period. Any student registering for the first time after January 8, 2010 will be charged a \$25 late fee if paid at the Bursar's Office, or a \$30 fee if billed.
- § A fifth or sixth unit of credit may be added only during this period. In order to add an overload course, students must secure the signature of their dean on a "Registration Exception Form" and present that slip at the Office of the Registrar.
- § **Undergraduate classes that require attendance at the first class (noted in CAESAR with the class attribute "First Class Mandatory) may require permission to add during the first week of the term.** Please secure permission numbers for those courses before attempting registration.

COURSE CHANGE DEADLINE

No course may be *added* after Friday, January 8, 2010.

No course may be *dropped* after Friday, February 12, but *tuition is not adjusted* for courses dropped after January 8, 2010.

Graduate students may not change grading options of any course after 5:00 PM on Friday, January 8, 2010.

Undergraduates may not change grading options (P/N or 'For a grade') after 5:00 PM on Friday, January 22, 2010.

IMPORTANT INFORMATION

- § **Undergraduates** intending to graduate June or August 2010 must file a degree application immediately. Undergraduates intending to graduate should file a degree application one year in advance before the anticipated graduation as these petitions affect registration appointments. Forms are available in the Office of the Registrar or at school offices. Engineering students should apply at the Engineering Academic Services Office (TCH L269).
- § **Addresses** – It is each student's responsibility to ensure that their addresses on record are complete and accurate. Students may view and modify billing, current and permanent addresses through CAESAR.
- § **New Undergraduate Transfer Students** who do not have an active netid must see a degree auditor in the Office of the Registrar after meeting with their advisor.
- § **Quarterly Grade Reports** are not mailed, but are delivered through CAESAR. A printout of the CAESAR record may be made for the purpose of verification.
- § **Room Assignments and class offerings may change after the publication of the class schedule. Please review your room assignments online before the first day of classes.**

Building Abbreviations

AAH	Andersen Hall
AMS	Annie May Swift Hall
ANA	Anthropology - 1810 Hinman
ANB	555 Clark
ANC	1865 Maple Ave.
ANN	Annenberg Hall
BLK	Mary & Leigh Block Museum of Art
CLRK	555 Clark Building
CRP	Cresap Laboratory
CRW	McMillen Crowe Hall
FIB	Family Institute
FSK	Fisk Hall
FSL	Frances Searle Building
HRS	Harris Hall
HUM	Center for the Humanities - 2010 Sheridan
KRG	Kresge Centennial Hall
LCY	Locy Hall
LIB	University Library
LNG	WCAS Linguistics - 2016 Sheridan
LNT	Lunt Hall
LOU	Louis Hall
LTK	Lutkin Hall
LVR	Leverone Hall (or Jacobs Hall)
MAB	Music Administration Building
MLS	Materials & Life Sciences Bldg
MTC	McCormick Tribune Center
PHL	Philosophy - 1818 Hinman
PLS	Abbott Auditorium: Pancoe Building
PKS	Parkes Hall
REG	Regenstein Hall of Music
REL	Religion 1940 Sheridan
SCA	Sociology - 1808 Chicago
SCB	Sociology - 1812 Chicago
SCT	Scott Hall
STT	Statistics
SWT	Swift Hall
TCH	Technological Institute
TIC	Speech Theatre & Interp Ctr
UNV	University Hall
WSC	West Sheridan Classrooms

Withdrawal

If registrants withdraw from NU after registering for classes they must immediately file a Withdrawal form, available at the Office of the Registrar. The completed form, bearing the proper signatures must be submitted to the Office of the Registrar.

The Division of Student Accounts considers the date the completed form is received at the Office of the Registrar as the effective date in making financial adjustments.

Tuition deposits are not refundable under any circumstances. **Tuition, less the deposit, and refundable fees are refunded if the student withdraws on or before January 8, 2010.** After that, no fees are refunded. See the Student Financial Services web site (<http://www.northwestern.edu/sfs>), and search for your school's "Tuition" page to determine your eligibility for a refund.

CAESAR Instructions/Help

Follow the link "Instructions on using CAESAR" from the CAESAR homepage at: <http://www.northwestern.edu/caesar/> This link contains information about getting started, help by function, error message definitions, a complete walk-through of CAESAR functions, and contact information for further assistance.

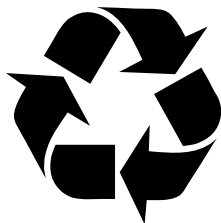
The IT Information Center Helpdesk is located at 1800 Sherman Ave. and can be contacted by phone at 847-491-HELP (4357) or e-mail at consultant@northwestern.edu.

Tipsheets and a "Frequently Asked Questions" page can be found at

http://ses.northwestern.edu/student_help.html

Staff in the Office of the Registrar are available to answer your questions regarding registration. Feel free to contact us at 847-491-5234 or via email at nu-registrar@northwestern.edu.

Our office is located at 633 Clark Street, Evanston. Staff is available to assist you between 8:30 AM and 5:00 PM Monday through Friday with the exception of university holidays.



Please recycle this document.

Course Attributes

These appear in the class schedule to give more information about courses.

CASD	FORMAL	Formal Studies
	HIST STUD	Historical Studies
	Interdisc	Interdisciplinary Distro, See WCAS
	LIT FA	Literature & Fine Arts
	NATSCI	Natural Sciences
	SOCBEH	Social & Behavioral Sciences
	VALUES	Values
GEN	1ST CLASS	Attendance-1st class mandatory
	1ST PART	1st part of 15 wk 1.5 cr crse
	ADDTL	One Addtl hour TBA
	CALCULUS	Some Calculus required
	DISCUSS	Reg for disc section required
	ENGINEER	Primarily for engineering
	MAY OPEN	May reopen, wait list in dept
	NO GRAD CR	Not eligible for grad credit
	NOT MAY	Not open for May registration
	ONE CRED	Only one unit towards major
	PREREQ	Prerequisites apply, see descr
	SEE BLTN	See Bulletin before register
	SEE DEPT	See Dept for further info
	TBOPENED	To be opened if needed
LANG	ENG DISC	Read in lang, discuss in Engl
	ENGLISH	Given in English
	LANG DISC	Read & Discuss in language
	NO PREQ	No prereq in the language
	PAP ENGL	Disc, papers, exams in English
	PROFNCY	Read, write, speak prof
	REQ	Spec requirement in lang
P/N	NO P/N	No P/N option for this section
	P/N REQ	Graded P/N
	P/N SUGG	P/N Suggested, see dept
PERM	DEPT	Permission of department
	INST	Permission of Instructor
	KTMP	Limited Enrollment
	NO MAJOR	Not open to dept/school majors
	SCHOOL	Permission of School
	TGS	Permission of The Grad School
RSTR	DEPT	Department Majors Only
	ENGG	Engineering Students Only
	FR/SO	Freshmen/Sophs Only
	FROSH	Freshmen Only
	GRAD	Graduate Students Only
	ISP	ISP Students Only
	JR/SR	Juniors/Seniors Only
	JR/SR/GR	Jrs, Srs, Grad Students Only
	JRS	Juniors Only
	MMM	MMM Students Only
	MMSS	MMSS Majors Only
	MUSIC	Music Majors Only
	SR/GRAD	Seniors/Grad Students Only
	SRS	Seniors Only
	UGRAD	Undergraduates Only

P/N REGULATIONS

GENERAL REGULATIONS

The P/N option is only available to full time students

Classes are open to P/N if the grading basis, listed in the class detail section of the class on CAESAR, is "Student Option" (abbreviated OPT). Occasionally, a "No P/N" note may be added to classes for emphasis only.

Students planning to register for the P/N option should do so when initially registering for the course. For instructions on selecting the P/N option, please see "Instructions on using CAESAR" at <http://www.northwestern.edu/caesar>. If the P/N option is not selected at this time students may change their grading option on CAESAR using the "Update" function or submit a P/N form at the Office of the Registrar.

Additional rules apply to classes in the School of Engineering and Applied Science. Please see below.

Not more than one class may be taken in any quarter under the P/N option (except as noted below in "Additional Regulations of the Individual Schools").

All prerequisites must be met before a class can be taken P/N.

The P/N option may be used only for general education classes and/or unrestricted electives.

NEW: P/N option may not be used for any of the first and second year language classes in French, German, Spanish or Italian. Contact your school for rules governing the use of the P/N option and the language requirement.

ADDITIONAL REGULATIONS OF THE INDIVIDUAL SCHOOLS

EDUCATION AND SOCIAL POLICY

A maximum number of six one-quarter classes taken P/N may be counted toward the degree.

The number of classes with grades of P or D, or a combination of P and D taken at Northwestern and offered for graduation may not exceed six.

P/N option and classes in which the student earned a D may not be used for Core, Concentration or Distribution Requirements.

JOURNALISM

NO journalism classes, or any classes in a student's Social Science concentration, basic requirements in Art/Art History, History, Literature, Science, Math, Political Science, and Economics may be taken P/N. All other classes may be taken P/N.

Only one class may be taken P/N per quarter (excluding TN quarter).

No more than six classes with P grades may be counted toward the 45 units required for a degree.

COLLEGE OF ARTS AND SCIENCES

No more than six optional P grades earned at Northwestern may be used for graduation.

P/N option may not be used to satisfy WCAS Distribution Requirements.

P/N option may not be used for foreign language classes taken toward meeting the WCAS foreign language requirement.

P/N option may not be used for required major or related classes.

P/N option may not be used for Freshman Seminars.

The number of classes with grades of P or D, or a combination of P and D taken at Northwestern and offered for graduation may not exceed one-fifth of the total.

MUSIC

A maximum of six one-quarter classes in non-music subjects taken under the P/N option may be counted toward the degree.

Music students may not take music classes under the P/N option, except for in classes graded solely with P/N grades.

P/N option for non-music classes is not open to Music students on academic probation.

P/N option is available to non-music students in all music classes including applied music, except as noted in the class schedule and on CAESAR.

COMMUNICATION

A maximum of six one-quarter classes taken under the P/N option may be counted toward the degree, although 35 of the 45 credits needed for graduation must be a C- or better. Classes in the major department may be taken under the P/N option only by permission of the Associate Dean.

ENGINEERING AND APPLIED SCIENCE

Any student desiring to change to the P/N option for any class in the School of Engineering and Applied Sciences must have a P/N slip signed by a staff member in the MEAS Academic Services Office (TECH L269). This slip must be taken to the Office of the Registrar to be processed. School of Engineering courses are offered by the following departments: BMD_ENG, CHEM_ENG, CIV_ENG, COMP_SCI, ECE, ES_APPM, GEN_ENG, IDEA, IEMS, MAT_SCI, MBIOTECH, MECH_ENG, MFG_ENG, MPD, and PROJ_MGT.

Engineering students who desire to P/N classes in BIOL_SCI, CHEM, ASTRON, PHYSICS, or MATH must also obtain a signed P/N form from the Academic Services Office and present it at the Office of the Registrar for processing. Only one class per quarter may be taken P/N during the freshman and sophomore years.

Students in the junior and senior year may take more than one class per quarter with the P/N option. Please see the rules above to determine if a signature is required.

A maximum number of eight one-quarter classes taken under the P/N option may be counted toward the degree.

GRADUATE SCHOOL

Rules governing the P/N option vary. Check with the department.

CAT #	TITLE	CRS ATTR	CREDIT				
CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CLS ATTR	PERM
TOPIC/NOTES							

McCormick School of Engineering & Applied Sciences

Biomedical Engineering BMD_ENG

101-0	Introduction to Biomedical Engineering						0.0
20772	20 SEMTCHM164	Th	1:00	2:00	Linsenmeier		
250-0	Biothermodynamics						1.0
20804	20 LEC TCHL150	MWF	1:00	1:50	Olds		*D
20806	60 DIS TCHLR4	T	4:00	5:30	Olds		
271-0	Introduction to Biomechanics						1.0
21098	20 LEC TCHL150	MWF	12:00	12:50	Murray		
33407	21 LEC TCHL150	MWF	11:00	11:50	Murray		
302-0	Systems Physiology						1.0
20370	01 LEC TCHL211	TTh	2:00	3:50	Backman	GEN 1ST CLASS	
<i>BME 302 combined with BME 402</i>							
20372	20 DIS FSL2407	W	12:00	12:50	Staff		
20374	21 DIS TCHLR2	W	1:00	1:50	Staff		
306-0	Biomedical Systems Analysis						1.0
21580	01 LEC PLSAUD	MWF	10:00	10:50	Tresch		
21582	60 LAB TCHL361	MW	2:00	3:20	Weir		
21584	61 LAB TCHLR5	MW	3:30	4:50	Weir		
327-0	Magnetic Resonance Imaging						1.0
20736	20 LEC TCHM120	TTh	11:00	12:20	Li		
344-0	Biological Performance of Materials						1.0
20714	20 LEC TCHM345	MW	8:30	9:50	Ho	GEN PREREQ	
20808	60 LAB FSL2107	M	1:00	3:20	Ho		*D
349-0	Bioregenerative Engineering						1.0
21588	01 LEC TCHM152	TTh	9:30	10:50	Liu		*D
21590	60 LAB TCHLG72	T	11:00	12:20	Liu		
<i>Meeting in Ford SB55</i>							
350-0	Transport Fundamentals						1.0
20716	01 LEC TCHM152	TTh	12:30	1:50	Johnson		
20868	60 DIS TCHLR4	F	3:00	3:50	Johnson		
371-0	Mechanics of Biological Tissue						1.0
20758	20 LEC TCHM120	MWF	11:00	11:50	Dhaher	GEN PREREQ	
390-1	Biomedical Engineering Design						1.0
<i>GEN 1ST CLASS NO P/N RSTR SRS</i>							
20376	20 LEC TCHLR4	MWF	4:00	5:50	Glucksberg		
20376	20 LEC TCHM166	MWF	4:00	6:30PM	Glucksberg		
<i>Kelso</i>							
399-0	Projects						1.0
20722	02 LEC TBA				Ameer		*D
20724	04 LEC TBA				Backman		*D
20378	08 LEC TBA				Carr		*D
20762	09 LEC TBA				Carroll		*D
20956	14 LEC TBA				Dhaher		*D
20380	16 LEC TBA				Dallos		*D
20866	18 LEC TBA				Dewald		*D
21676	20 LEC TBA				Kuiken		*D
20904	24 LEC TBA				Gard		*D
20382	28 LEC TBA				Glucksberg		*D
20810	35 LEC TBA				Hartmann		*D
20962	39 LEC TBA				Ho		*D
20384	40 LEC TBA				Houk		*D
20602	42 LEC TBA				Johnson		*D
20386	46 LEC TBA				Kelso		*D
20604	53 LEC TBA				Li		*D
21032	54 LEC TBA				Li		*D
20812	55 LEC TBA				Maclver		*D
20388	56 LEC TBA				Linsenmeier		*D
20390	57 LEC TBA				Liu		*D
20782	58 LEC TBA				Murray		*D
20608	59 LEC TBA				Messersmith		*D
20756	61 LEC TBA				Olds		*D
21186	62 LEC TBA				Mussa-Ivaldi		*D
20814	63 LEC TBA				Moskal		*D
20606	64 LEC TBA				Parrish		*D
20760	65 LEC TBA				Perreault		*D
20392	66 LEC TBA				Peterson		*D
20394	72 LEC TBA				Rymer		*D
20396	76 LEC TBA				Sahakian		*D
20738	79 LEC TBA				Shea		*D
20398	80 LEC TBA				Spears		*D
20786	81 LEC TBA				Stupp		*D
21100	82 LEC TBA				Szleifer		*D
20610	83 LEC TBA				Tresch		*D
20400	84 LEC TBA				Troy		*D
20402	88 LEC TBA				Walsh Jr		*D
33422	90 LEC TBA				Weir		*D
20404	92 LEC TBA				Wu		*D
20406	95 LEC TBA				Zhang		*D
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
402-0	Advanced Systems Physiology						1.0
20408	01 LEC TCHL211	TTh	2:00	3:50	Backman	RSTR GRAD	
<i>BME 302 combined with BME 402</i>							
20410	20 DIS FSL2407	W	12:00	12:50	Staff		
20412	21 DIS TCHLR2	W	1:00	1:50	Staff		
441-0	Biointerface Science						1.0
33457	20 LEC TCHLG62	TTh	12:30	1:50	Messersmith		
460-0	Neural Engineering: Fundamentals						1.0
33427	20 LEC TCHL158	MWF	10:00	10:50	Troy		

CAT #	TITLE	CRS ATTR	CREDIT				
CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CLS ATTR	PERM
TOPIC/NOTES							

495-0	Special Advanced Topics in Biomedical Engineering						1.0
21224	20 LEC TCHM120	TTh	4:00	5:20	Backman		*D
<i>Advanced Optics</i>							
33420	21 LEC TCHM152	TTh	12:30	1:50	Johnson		
<i>Advanced Heat & Mass Transfer</i>							
33421	60 DIS TCHLR4	F	3:00	3:50	Johnson		
499-0	Projects						1.0
33423	02 LEC TBA				Ameer		*D
33424	04 LEC TBA				Backman		*D
33425	06 LEC TBA				Kuiken		*D
21726	14 LEC TBA				Dhaher		*D
21722	18 LEC TBA				Dewald		*D
20560	20 LEC TBA				Kelso		*D
33426	39 LEC TBA				Ho		*D
21688	57 LEC TBA				Liu		*D
21690	76 LEC TBA				Sahakian		*D
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
512-0	Grad Research Seminar in Biomedical Engg						0.0
<i>GEN NO GRAD CR RSTR DEPT RSTR GRAD</i>							
20414	20 LEC TCHM345	F	8:30	10:00	Ho		
590-0	Research						1.0
20718	02 LEC TBA				Ameer		
20720	04 LEC TBA				Backman		
20416	08 LEC TBA				Carr		
20764	09 LEC TBA				Carroll		
20952	14 LEC TBA				Dhaher		
20418	16 LEC TBA				Dallos		
20612	18 LEC TBA				Dewald		
21678	20 LEC TBA				Kuiken		
20906	24 LEC TBA				Gard		
20420	28 LEC TBA				Glucksberg		
20816	35 LEC TBA				Hartmann		
20964	39 LEC TBA				Ho		
20422	40 LEC TBA				Houk		
20614	42 LEC TBA				Johnson		
20424	46 LEC TBA				Kelso		
20616	53 LEC TBA				Li		
21028	54 LEC TBA				Li		
20818	55 LEC TBA				Maclver		
20426	56 LEC TBA				Linsenmeier		
20428	57 LEC TBA				Liu		
21422	58 LEC TBA				Murray		
20430	59 LEC TBA				Messersmith		
21030	62 LEC TBA				Mussa-Ivaldi		
20618	64 LEC TBA				Parrish		
20766	65 LEC TBA				Perreault		
20432	66 LEC TBA				Peterson		
20434	72 LEC TBA				Rymer		
20820	74 LEC TBA				Prasad		
20436	76 LEC TBA				Sahakian		
20740	79 LEC TBA				Shea		
20438	80 LEC TBA				Spears		
20620	81 LEC TBA				Stupp		
21102	82 LEC TBA				Szleifer		*D
20940	83 LEC TBA				Tresch		
20440	84 LEC TBA				Troy		
20442	88 LEC TBA				Walsh Jr		
20890	90 LEC TBA				Weir		
20444	92 LEC TBA				Wu		
20446	95 LEC TBA				Zhang		
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
Chemical Engineering							
CHEM_ENG							
211-0	Thermodynamics						1.0
34045	20 LEC TBA	MTWF	11:00	11:50	Snurr		
275-0	Molecular & Cell Biology for Engineers						1.0
20794	20 LEC TCHM177	MTWF	1:00	1:50	Miller		
312-0	Probability and Statistics for Chemical Engineering						1.0
31982	20 LEC TCHL170	MTWF	4:00	4:50	Felse		
322-0	Heat Transfer						1.0
20262	20 LEC TCHL251	MTWF	9:00	9:50	Burghardt		
341-0	Process Dynamics & Control						1.0
20264	01 LEC TCHLG68	MTWF	10:00	10:50	Leonard		
351-0	Process Economics, Design, & Evaluation						1.0
20266	20 LEC TCHM177	MTWF	12:00	12:50	Notestein		
352-0	Chem Engg Design Projects						1.0
20936	20 LEC TCHM128	T	4:00	7:00PM	Kung		
<i>Towler</i>							
375-0	Biochemical Engineering						1.0
20690	20 LEC TCHLG52	MTWF	9:00	9:50	Jewett		
399-0	Projects						1.0
20268	20 LEC TBA				Jewett		*D
21004	21 LEC TBA				Amaral		*D
21006	22 LEC TBA				Notestein		*D
21008	23 LEC TBA				Burghardt		*D
21010	24 LEC TBA				Grzybowski		*D
21012	25 LEC TBA				Kung		*D
21014	26 LEC TBA				Miller		*D
21016	27 LEC TBA				Gray		*D
21018	28 LEC TBA				Broadbelt		*D
21020	29 LEC TBA				Shea		*D
21022	30 LEC TBA				Snurr		*D
21024	31 LEC TBA				Torkelson		*D
31983							

CAT #	TITLE	CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CRS ATTR	CREDIT	CAT #	TITLE	CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CRS ATTR	CREDIT		
	TOPIC/NOTES								PERM		TOPIC/NOTES								PERM		
345-0	Distributed Systems								1.0	21144	94	LEC	TBA				Wessels		*I		
33440	20	LEC	TCHLG68	MW	3:30	4:50	Bustamante			21196	95	LEC	TBA				Horswill		*I		
347-1	Microprocessor System Projects								1.0	21146	96	LEC	TBA				Wu		*I		
34322	20	LEC	TBA	MWF	9:00	9:50	Henschen			21152	97	LEC	TBA				Zhou		*I		
351-0	Introduction to Computer Graphics								1.0	21148	98	LEC	TBA				Yuen		*I		
33441	20	LEC	TCHL150	TTh	12:30	1:50	Tumblin			21154	99	LEC	TBA				Kuzmanovic		*I		
352-0	Machine Perception of Music & Audio								1.0	PLEASE SEE DEPT FOR CLASS # AND PERMISSION											
33442	20	LEC	TCHLG76	MW	12:30	1:50	Pardo			418-0	Advanced Digital Signal Processing	33444	20	LEC	TCHLG62	MWF	1:00	1:50	Butz	GEN PREREQ	1.0
355-0	ASIC and FPGA Design								1.0	420-0	Digital Image Processing	20650	20	LEC	TCHL158	W	5:00	7:50PM	Katsaggelos	GEN PREREQ	1.0
20900	20	LEC	TCHLG68	MW	11:00	11:50	Memik			422-0	Random Processes in Communications and Control 1	33445	20	LEC	TCHL160	MWF	4:00	4:50	Berry	GEN PREREQ	1.0
20900	20	LEC	TCHLG68	F	11:00	11:50	Memik			427-0	Optical Communications	33447	20	LEC	WSC231	MW	3:30	4:50	Yuen		1.0
	<i>Meets in EECS lab</i>									432-0	Advanced Computer Vision	33448	20	LEC	TCHM166	TTh	12:30	1:50	Wu	GEN PREREQ	1.0
358-0	Introduction to Parallel Computing							GEN PREREQ	1.0	441-0	Resource Virtualization	21464	21	LEC	TCHL170	TTh	9:30	10:50	Dinda	GEN PREREQ	1.0
21454	20	LEC	TCHLG68	TTh	2:00	3:20	Memik	GEN PREREQ		453-0	Advanced Computer Architecture II	20876	20	LEC	TCHM28	MWF	3:30	4:50	Joseph		1.0
360-0	Introduction to Feedback Systems								1.0	463-0	Adaptive Filters	33449	20	LEC	TCHLG62	TTh	2:00	3:20	Honig		1.0
20970	20	LEC	FSL2407	MWF	10:00	10:50	Freeman			495-0	Special Topics in Electrical Engineering and Computer Science	20990	20	LEC	TCHL150	TTh	3:30	4:50	Hardavellas		1.0
20996	21	LAB	TCHL251	T	3:00	5:50	Freeman				<i>Adv Arch Tech in Procssr Dsgn</i>	21088	21	LEC	TCHLG68	TTh	12:30	1:50	Downey		
20998	22	LAB	TCHL158	Th	9:00	11:50	Freeman				<i>Special Top-Machine Learning</i>	21202	22	LEC	TCHM128	MW	3:30	4:50	Shahriar		
21034	23	LAB	TBA				Staff				<i>Cardiovascular Instrumentation</i>	21204	23	LEC	TCHL221	MWF	1:00	1:50	Sahakian	GEN PREREQ	1.0
21178	24	LAB	TBA				Staff				<i>Programming Languages Seminar</i>	21206	24	LEC	TCHM345	MF	2:00	3:20	Findler	GEN PREREQ	
362-0	Computer Architecture Projects							GEN PREREQ	1.0		<i>Advanced Algorithms</i>	33466	26	LEC	TCHM349	W	2:00	4:50	Immorlica	GEN PREREQ	
20290	20	LEC	TCHM349	TTh	11:00	12:20	Choudhary			34324	27	LEC	TCHL158	TTh	12:30	1:50	Raicu				
378-0	Digital Communications								1.0		<i>Hot Topics in Distributed Syst</i>										
20754	20	LEC	TCHM166	MWF	9:00	9:50	Lee			499-0	Projects	21292	05	LEC	TBA			Guo		*I	
384-0	Solid State Electronic Devices								1.0	21294	06	LEC	TBA				Birnbaum		*I		
33443	20	LEC	TCHLG66	MWF	3:00	3:50	Grayson			21296	07	LEC	TBA				Dinda		*I		
388-0	Nanotechnology								1.0	34329	08	LEC	TBA				Wilensky		*I		
21598	20	LEC	TCHM177	TTh	9:30	10:50	Razeghi			21300	09	LEC	TBA				Forbus		*I		
21602	60	LAB	TCHCG50	T	6:00	8:50PM	Razeghi	GEN PREREQ		33432	10	LEC	TBA				Hardavellas		*I		
21600	61	LAB	TCHCG50	Th	6:00	8:50PM	Razeghi	GEN PREREQ		21302	11	LEC	TBA				Hammond		*I		
391-0	VLSI Systems Design								1.0	21304	12	LEC	TBA				Horswill		*I		
33962	20	LEC	TBA	TTh	9:30	10:50	Ismail			21306	13	LEC	TBA				Gergle		*I		
395-0	Special Topics in Electrical Engineering and Computer Science								1.0	21308	14	LEC	TBA				Kao		*I		
20988	20	LEC	TCHL150	TTh	3:30	4:50	Hardavellas	GEN PREREQ		21234	15	LEC	TBA				Butz		*I		
	<i>Adv Arch Tech in Procssr Dsgn</i>									21310	16	LEC	TBA				Kuzmanovic		*I		
										33433	17	LEC	TBA				Horn		*I		
21086	21	LEC	TCHLG68	TTh	12:30	1:50	Downey			21236	18	LEC	TBA				Freeman		*I		
	<i>Special Top-Machine Learning</i>									21312	19	LEC	TBA				Riesbeck		*I		
21194	22	LEC	TCHM128	MW	3:30	4:50	Shahriar			21314	20	LEC	TBA				Cassell		*I		
21200	23	LEC	TCHL221	MWF	1:00	1:50	Sahakian			21238	21	LEC	TBA				Choudhary		*I		
	<i>Cardiovascular Instrumentation</i>									21316	22	LEC	TBA				Tumblin		*I		
21208	24	LEC	TCHM345	MF	2:00	3:20	Findler			21318	23	LEC	TBA				Hartline		*I		
	<i>Programming Languages Seminar</i>									21320	24	LEC	TBA				Bustamante		*I		
34323	25	LEC	TCHL158	TTh	12:30	1:50	Raicu			21322	25	LEC	TBA				Chen		*I		
	<i>Hot Topics in Distributed Syst</i>									21278	26	LEC	TBA				Berry		*I		
399-0	Projects								1.0	34330	27	LEC	TBA				Joseph		*I		
21170	01	LEC	TBA				Bustamante			34331	28	LEC	TBA				Li		*I		
21172	02	LEC	TBA				Grayson			21240	29	LEC	TBA				Haddad		*I		
21174	03	LEC	TBA				Liu			34332	30	LEC	TBA				Liu		*I		
21176	04	LEC	TBA				Pardo			21242	32	LEC	TBA				Henschen		*I		
21104	05	LEC	TBA				Cassell			21244	33	LEC	TBA				Ho		*I		
21604	06	LEC	TBA				Hartline			21246	35	LEC	TBA				Honig		*I		
21606	07	LEC	TBA				Immorlica			21282	36	LEC	TBA				Ismail		*I		
21608	08	LEC	TBA				Downey			21248	41	LEC	TBA				Katsaggelos		*I		
21610	09	LEC	TBA				Findler			21614	42	LEC	TBA				Grayson		*I		
21166	10	LEC	TBA				Guo			21618	44	LEC	TBA				Immorlica		*I		
21612	11	LEC	TBA				Fortnow			21620	45	LEC	TBA				Downey		*I		
21674	12	LEC	TBA				Tumblin			21622	46	LEC	TBA				Findler		*I		
21692	13	LEC	TBA				Berry			21624	47	LEC	TBA				Fortnow		*I		
21696	14	LEC	TBA				Gergle			21250	48	LEC	TBA				Kumar		*I		
21106	15	LEC	TBA				Butz			21252	52	LEC	TBA				Lee		*I		
21720	16	LEC	TBA				Forbus			21254	54	LEC	TBA				Lin		*I		
21728	17	LEC	TBA				Birnbaum			21286	59	LEC	TBA				Memik		*I		
21108	18	LEC	TBA				Freeman			21288	60	LEC	TBA				Memik		*I		
21730	19	LEC	TBA				Dinda			21290	61	LEC	TBA				Mohseni		*I		
33428	20	LEC	TBA				Hardavellas			21256	63	LEC	TBA				Nocedal		*I		
21110	21	LEC	TBA				Choudhary			21276	65	LEC	TBA				Pappas		*I		
33429	22	LEC	TBA				Horn			21258	66	LEC	TBA				Plonus		*I		
34325	23	LEC	TBA				Riesbeck			21260	68	LEC	TBA				Razeghi		*I		
34326	24	LEC	TBA				Wu			21262	77	LEC	TBA				Sahakian		*I		
34327	25	LEC	TBA				Wilensky			21264	78	LEC	TBA				Shahriar		*I		
34328	26	LEC	TBA				Li			21266	82	LEC	TBA				Scheuermann		*I		
21112	29	LEC	TBA				Haddad			21268	87	LEC	TBA				Taflove		*I		
21114	32	LEC	TBA				Henschen			21284	93	LEC	TBA				Wu		*I		
21116	33	LEC	TBA				Ho			21270	94	LEC	TBA				Wessels		*I		
21118	35	LEC	TBA				Honig			21272	96	LEC	TBA				Wu		*I		
21120	36	LEC	TBA				Ismail			21280	97	LEC	TBA				Zhou		*I		
21162	38	LEC	TBA				Joseph			21274	98	LEC	TBA			</					

CAT #	TITLE	CRS ATTR	CREDIT	CAT #	TITLE	CRS ATTR	CREDIT
CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CLS ATTR	PERM
TOPIC/NOTES							
512-2	Graduate Research Seminar in EECS						0.0
21636	21 LEC TBA		TBA		Shahriar		
21638	22 LEC TBA		TBA		Sahakian		
21642	23 LEC TBA		TBA		Kao		
21640	24 LEC TBA		TBA		Dinda		
21646	25 LEC TBA		TBA		Forbus		
21644	26 LEC TBA		TBA		Horswill		
545-0	Teaching Experience I						1.0
20292	20 LEC TBA		TBA		Riesbeck		
546-0	Teaching Experience II						0.0
20294	20 LEC TBA		TBA		Riesbeck		
590-0	Research						1.0 4.0
21326	03 LEC TBA		TBA		Butz		
21232	04 LEC TBA		TBA		Pappas		
21226	05 LEC TBA		TBA		Berry		
21228	06 LEC TBA		TBA		Birnbaum		
21230	07 LEC TBA		TBA		Bustamante		
21328	08 LEC TBA		TBA		Cassell		
21330	09 LEC TBA		TBA		Chen		
21332	10 LEC TBA		TBA		Choudhary		
21334	11 LEC TBA		TBA		Dick		
21336	12 LEC TBA		TBA		Dinda		
33434	13 LEC TBA		TBA		Hardavellas		
21338	14 LEC TBA		TBA		Forbus		
21340	15 LEC TBA		TBA		Freeman		
21342	16 LEC TBA		TBA		Gergle		
21346	18 LEC TBA		TBA		Grayson		
21348	19 LEC TBA		TBA		Guo		
21222	20 LEC TBA		TBA		Razeghi		
21350	21 LEC TBA		TBA		Hammond		
21352	22 LEC TBA		TBA		Henschen		
21354	23 LEC TBA		TBA		Ho		
21356	24 LEC TBA		TBA		Honig		
21358	25 LEC TBA		TBA		Horswill		
21360	26 LEC TBA		TBA		Ismail		
21362	27 LEC TBA		TBA		Joseph		
21364	28 LEC TBA		TBA		Kao		
21366	29 LEC TBA		TBA		Katsaggelos		
21368	30 LEC TBA		TBA		Kumar		
21370	31 LEC TBA		TBA		Kuzmanovic		
21372	32 LEC TBA		TBA		Lee		
21374	33 LEC TBA		TBA		Lin		
21376	34 LEC TBA		TBA		Liu		
21378	35 LEC TBA		TBA		Memik		
21380	36 LEC TBA		TBA		Memik		
21382	37 LEC TBA		TBA		Mohseni		
21384	38 LEC TBA		TBA		Nocedal		
21386	39 LEC TBA		TBA		Pardo		
21388	40 LEC TBA		TBA		Plonus		
21392	42 LEC TBA		TBA		Sahakian		
21394	43 LEC TBA		TBA		Scheuermann		
21396	44 LEC TBA		TBA		Shahriar		
21398	45 LEC TBA		TBA		Taflove		
21400	46 LEC TBA		TBA		Tumblin		
21402	47 LEC TBA		TBA		Wessels		
21404	48 LEC TBA		TBA		Wilensky		
21406	49 LEC TBA		TBA		Wu		
21408	50 LEC TBA		TBA		Wu		
21410	51 LEC TBA		TBA		Yuen		
21412	52 LEC TBA		TBA		Zhou		
21418	53 LEC TBA		TBA		Li		
21626	54 LEC TBA		TBA		Hartline		*D
21628	55 LEC TBA		TBA		Immorlica		*D
21630	56 LEC TBA		TBA		Downey		*D
21632	57 LEC TBA		TBA		Findler		*D
21634	58 LEC TBA		TBA		Fortnow		*D
33435	59 LEC TBA		TBA		Horn		
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
Engineering Science & Applied Math							
ES_APPM							
252-2	Honors Calculus for Engineers					<i>GEN ENGINEER</i>	1.0
20360	20 LEC TCHL251	MTWThF	10:00	10:50	Chopp	<i>PERM SCHOOL</i>	*D
311-2	Methods of Applied Mathematics						1.0
20362	20 LEC TCHM120	MWF	12:00	12:50	Olmstead		
20364	21 LEC TCHM177	MWF	11:00	11:50	Abrams		
399-0	Projects						1.0
20558	20 IND TBA		TBA		Staff		*D
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
411-2	Differential Equations of Mathematical Physics						1.0
20688	20 LEC TCHM166	MW	2:00	3:20	Kath		
420-2	Asymptotic & Perturbation Methods						1.0
20366	20 LEC TCHA110	TTh	9:30	10:50	Riecke		
421-2	Models in Applied Mathematics						1.0
21434	20 LEC TCHM166	TTh	3:30	4:50	Riecke		
448-0	Numerical Methods for Random Processes						1.0
31806	20 LEC TCHM128	TTh	12:30	1:50	Brockmann		
495-0	Selected Topics in Applied Mathematics						1.0
21438	20 LEC TCHLG68	MWF	12:00	12:50	Chopp		
<i>Math Modeling in Microbiology</i>							
31807	21 LEC TCHM128	TTh	11:00	12:20	Luijten		
<i>Intro to Statistical Mechanic</i>							
499-0	Projects						1.0
20790	20 LEC TBA		TBA		Staff		*D
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
590-0	Research						1.0 4.0
20368	20 LEC TBA		TBA		Staff		
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
General Engineering							
GEN_ENG							
195-1	Engineering Dialog I						0.3
21184	20 LEC TBA		TBA		Faber		*D
195-2	Engineering Dialog II						0.3
21516	20 LEC TBA		TBA		Faber		*D
195-3	Engineering Dialog III						0.3
33406	20 LEC TBA		TBA		Faber		*I
205-1	Engineering Analysis I					<i>RSTR FROSH</i>	1.0
20250	20 LEC TCHM128	MTWThF	9:00	9:50	Lin		
205-2	Engineering Analysis II						1.0
20252	20 LEC TCHL361	MTWThF	12:00	12:50	Durango-Cohen		
20254	21 LEC TCHL361	MTWThF	9:00	9:50	Huang		
20256	22 LEC TCHL361	MTWThF	10:00	10:50	Balagun		
20258	23 LEC TCHL361	MTWThF	11:00	11:50	Andrade		
205-4	Engineering Analysis IV						1.0
20260	20 LEC TCHLR4	MTWThF	9:00	9:50	Bayliss		
206-2	Honors Engineering Analysis						1.0
20768	20 LEC TCHM345	MTWThF	12:00	12:50	Thomas		*D
215-2	EA2 Adv Conceptual Workshop						0.0
20822	20 LEC TBA		TBA		Lainez		*D
220-1	Analy/Comp Graph					<i>P/N REQ</i>	0.5
20788	20 LEC TCHMG47 W		6:30PM	9:00PM	Dowding		*D
<i>Meets in Ford SB345</i>							
Bielski							
Industrial Engineering & Management Sciences							
IEMS							
202-0	Probability					<i>GEN PREREQ</i>	1.0
20700	01 LEC TCHM152	MWF	9:00	9:50	Golbeck		
20778	20 LAB TBA	Th	3:00	3:50	Staff		
20780	21 LAB TBA	Th	4:00	4:50	Staff		
20836	22 LAB TBA	Th	5:00	5:50	Staff		
225-0	Principles of Entrepreneurship						1.0
21680	20 LEC TCHL221	TTh	3:30	4:50	Staff		
303-0	Statistics					<i>GEN PREREQ</i>	1.0
20296	01 LEC TBA	MWF	10:00	10:50	Ankenman		
20564	20 LAB TCHM152	T	4:00	4:50	Staff		
313-0	Deterministic Models & Optimization					<i>GEN PREREQ</i>	1.0
20570	01 LEC TCHM345	MWF	11:00	11:50	Mehrotra		
20572	20 LAB TBA	M	4:00	4:50	Mehrotra		
21090	21 LAB TBA	W	4:00	4:50	Mehrotra		
317-0	Discrete Event Systems Simulation					<i>GEN PREREQ</i>	1.0
20702	01 LEC TCHL150	TTh	2:00	3:20	Staff		
20704	20 LAB TCHL168	W	3:00	3:50	Staff		
20706	21 LAB TCHLG66	W	4:00	4:50	Staff		
325-0	Engineering Entrepreneurship						1.0
21002	20 LEC TCHLR5	T	6:30PM	9:30PM	Werwath		
326-0	Economics & Finance for Engineers					<i>GEN PREREQ</i>	1.0
20298	20 LEC TCHL150	MWF	3:00	3:50	Armbruster		*D
342-0	Organizational Behavior					<i>RSTR JR/SR</i>	1.0
33318	20 LEC FSL1421	TTh	11:00	12:20	Leonardi	<i>RSTR JR/SR</i>	
373-0	Intro to Financial Engineering						1.0
20708	20 LEC TCHM120	TTh	9:30	10:50	Linetsky		
382-0	Production Planning and Scheduling					<i>GEN PREREQ</i>	1.0
21490	01 LEC WSC250	MWF	10:00	10:50	Iravani	<i>GEN PREREQ</i>	
21492	20 LAB TBA	W	2:30	3:30	Staff	<i>GEN PREREQ</i>	
391-0	Industrial Engineering Design					<i>RSTR DEPT</i>	1.0
20920	01 LEC TCHLG76	MWF	11:00	11:50	Klabjan	<i>RSTR SRS</i>	
20922	20 LAB ANNG30	M	3:00	4:50	Staff	<i>RSTR DEPT</i>	
20924	21 LAB ANNG28	T	1:00	2:50	Staff	<i>RSTR SRS</i>	
392-0	Systems Management Project					<i>GEN 1ST CLASS</i>	1.0
20926	20 LEC TCHMG28	TTh	3:30	4:50	Thompson	<i>RSTR DEPT</i>	
393-0	Industrial Engineering Design Project					<i>GEN PREREQ</i>	1.0
20918	20 LEC TCHLG72	Th	6:30PM	9:30PM	Werwath	<i>RSTR DEPT</i>	
395-0	Special Topics in Industrial Engineering						1.0
33321	20 LEC TBA	Th	2:00	4:50	Staff		
399-0	Independent Study in Industrial Engineering						1.0
20914	05 LEC TBA		TBA		Ankenman		*D
21210	06 LEC TBA		TBA		Marasco		*D
20578	08 LEC TBA		TBA		Daskin		*D
20580	09 LEC TBA		TBA		Fourer		*D
20582	10 LEC TBA		TBA		Frey		*D
20584	20 LEC TBA		TBA		Hazen		*D
20586	25 LEC TBA		TBA		Hopp		*D
20844	30 LEC TBA		TBA		Staum		*D
20846	31 LEC TBA		TBA		Homem de Mello		*D

CAT #	TITLE	CRS ATTR	CREDIT	CAT #	TITLE	CRS ATTR	CREDIT
CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CLS ATTR	PERM
TOPIC/NOTES							
20848	32 LEC TBA	TBA			Apley		*D
20588	35 LEC TBA	TBA			Iravani		*D
20692	40 LEC TBA	TBA			Linetsky		*D
20590	45 LEC TBA	TBA			Mehrotra		*D
20592	50 LEC TBA	TBA			Nelson		*D
20710	70 LEC TBA	TBA			Smilowitz		*D
20594	75 LEC TBA	TBA			Tamhane		*D
20596	80 LEC TBA	TBA			Thompson		*D
20598	90 LEC TBA	TBA			White		*D
20842	91 LEC TBA	TBA			Werwath		*D
21658	92 LEC TBA	TBA			Armbruster		*D
21660	93 LEC TBA	TBA			Contractor		*D
21662	94 LEC TBA	TBA			Klabjan		*D
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
403-0	Accounting Issues for Engineers					PERM MEM	1.0
21192	20 LEC TBA	T	6:30PM	9:30PM	Krizek		
31811	50 LEC ASSIGNEDM		6:30PM	9:30PM	Twombly	PERM MEM	*D
Meets in Bensenville							
405-0	Marketing Issues for Engineers					RSTR ENGG	1.0
20302	50 LEC FORDITW	T	6:00	9:30PM	Marasco	RSTR GRAD	*D
PERM MEM							
407-0	Decision Tools for Managers					RSTR ENGG	1.0
20300	20 LEC FORDITW	W	6:00	9:30PM	Iravani	RSTR GRAD	*D
PERM MEM							
411-0	Field Research in Organizations					RSTR GRAD	1.0
33319	20 LEC TCHM120	T	6:30PM	9:20PM	Thompson	RSTR GRAD	
427-0	Operations Analysis					RSTR ENGG	1.0
21502	20 LEC FORDITW	Th	6:00	9:30PM	Watson	PERM MEM	*D
RSTR ENGG							
435-0	Stoch Sys Simul						1.0
21652	20 LEC TCHL160	TTh	11:00	12:20	Nelson		
437-0	Strategic Management for Engineers					PERM MEM	1.0
20712	20 LEC TCHM345	M	6:00	9:30PM	McNeeley	PERM MEM	*D
450-2	Mathematical Programming II						1.0
33320	20 LEC TCHLG76	MWF	2:00	2:50	Mehrotra		
454-0	Large Scale Optimization						1.0
21496	20 LEC TBA	MW	2:00	3:20	Fourer		
457-0	Integer Programming						1.0
21498	20 LEC TBA	MW	12:30	1:50	Mehrotra		
460-1	Stochastic Models						1.0
20304	20 LEC TCHL160	MWF	11:00	11:50	Dolinskaya		
473-1	Financial Engineering I						1.0
21092	20 LEC TCHMG28	TTh	2:00	3:20	Linetsky		
480-1	Production and Logistics I						1.0
20306	20 LEC TCHMG28	MW	9:00	10:20	Smilowitz		
490-0	Selected Topics in IE						1.0
21500	20 LEC TCHLG66	TTh	9:30	10:50	Nocedal		
Modeling & Optimization							
31812	21 LEC ASSIGNEDT		6:30PM	9:30PM	Leonardi	PERM MEM	*D
Meets in Bensenville							
34384	22 LEC FORDITW	MTh	3:30	5:00	Iravani		*D
Operations							
495-0	NUvention-Medical Innovation						1.0
21094	20 LEC TBA	W	6:00	9:00PM	Marasco		
Vyas							
497-0	Special Topics in IE					RSTR GRAD	0.5
33322	20 LEC TBA	Th	2:00	4:50	Staff	RSTR GRAD	*D
499-0	Projects					ADMN NO PRINT	1.0 3.0
20910	05 LEC TBA	TBA			Ankenman	ADMN NO PRINT	
21212	06 LEC TBA	TBA			Marasco	ADMN NO PRINT	
20908	07 LEC TBA	TBA			Birge	ADMN NO PRINT	
20308	08 LEC TBA	TBA			Daskin		
20310	09 LEC TBA	TBA			Fourer		
20312	10 LEC TBA	TBA			Frey		
20314	20 LEC TBA	TBA			Hazen		
20316	25 LEC TBA	TBA			Hopp		
20318	30 LEC TBA	TBA			Hurter Jr		
20850	31 LEC TBA	TBA			Staum		
20852	32 LEC TBA	TBA			Homem de Mello		
20854	33 LEC TBA	TBA			Apley		
20320	35 LEC TBA	TBA			Iravani		
20694	40 LEC TBA	MTWThF			Linetsky		
20322	45 LEC TBA	TBA			Mehrotra		
20324	50 LEC TBA	TBA			Nelson		
20730	70 LEC TBA	TBA			Smilowitz		
20326	75 LEC TBA	TBA			Tamhane		
20328	80 LEC TBA	TBA			Thompson		
20330	90 LEC TBA	TBA			White		
PLEASE SEE DEPT FOR CLASS # AND PERMISSION							
590-0	Research					ADMN NO PRINT	1.0 3.0
21428	01 THE TBA	TBA			Contractor	ADMN NO PRINT	
21430	03 THE TBA	TBA			Klabjan	ADMN NO PRINT	
20748	04 THE TBA	TBA			Birge		
20912	05 THE TBA	TBA			Ankenman		
20654	08 THE TBA	TBA			Daskin		
20574	09 THE TBA	TBA			Fourer		
20656	10 THE TBA	TBA			Frey		
20658	20 THE TBA	TBA			Hazen		
20576	25 THE TBA	TBA			Hopp		
20660	30 THE TBA	TBA			Hurter Jr		
20856	31 THE TBA	TBA			Staum		
20858	32 THE TBA	TBA			Homem de Mello		
20860	33 THE TBA	TBA			Apley		
20662	35 THE TBA	TBA			Iravani		
20696	40 THE TBA	TBA			Linetsky		
20664	45 THE TBA	TBA			Mehrotra		
20666	50 THE TBA	TBA			Nelson		

CAT #	TITLE	CRS ATTR	CREDIT	CAT #	TITLE	CRS ATTR	CREDIT	
CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CLS ATTR	PERM	
TOPIC/NOTES								
302-0	Fluids and Mass Transfer for Bioprocessing	GEN PREREQ	1.0	20492	33 LEC TBA		*D	
20878	20 LEC ANNG30 TTh 11:00 12:20	GEN PREREQ NO P/N		20494	36 LEC TBA		*D	
422-0	Biotechnology Application of Immunology		0.5	20628	37 LEC TBA		*D	
21518	20 LEC TCHM120 Th 12:30 1:50		*D	20496	39 LEC TBA		*D	
502-0	Biotechnology Seminars 2		0.5	20624	40 LEC TBA		*D	
20882	20 LEC TCHM120 T 12:30 1:50			20640	41 LEC TBA		*D	
510-0	Biotechnology Research		1.0 2.5	20498	42 LEC TBA		*D	
20880	20 LEC TBA TBA			20500	45 LEC TBA		*D	
Mechanical Engineering								
MECH_ENG								
202-0	Mechanics II	GEN PREREQ	1.0	20502	48 LEC TBA		*D	
20332	20 LEC TCHL160 MTWF 10:00 10:50			20504	51 LEC TBA		*D	
20960	21 LEC TCHLG72 MTWF 1:00 1:50	GEN PREREQ NO P/N		20506	54 LEC TBA		*D	
220-0	Thermodynamics I		1.0	20508	57 LEC TBA		*D	
20334	20 LEC TCHM177 MTWF 2:00 2:50			20510	60 LEC TBA		*D	
333-0	Introduction to Mechatronics		1.0	20684	62 LEC TBA		*D	
20674	01 LEC TCHL160 TTh 12:30 1:50			20512	63 LEC TBA		*D	
20796	20 LAB TBA W 2:00 4:50			20678	64 LEC TBA		*D	
	Meeting in Ford B-100			20514	66 LEC TBA		*D	
20798	21 LAB TBA W 6:00 8:50PM			20516	69 LEC TBA		*D	
	Meeting in Ford B-100			20518	72 LEC TBA		*D	
340-2	Comp Integ Manuf	GEN PREREQ	1.0	20746	73 LEC TBA		*D	
20742	01 LEC TCHL251 MW 3:30 4:50			20828	75 LEC TBA		*D	
	CAD/CAM			20830	76 LEC TBA		*D	
	Lab TBA			21076	77 LEC TBA		*D	
359-0	Reliability Engineering		1.0	21078	78 LEC TBA		*D	
21068	20 LEC TCHM177 TTh 3:30 4:50			21532	79 LEC TBA		*D	
366-0	Finite Elements for Design & Optimizatn		1.0	21534	80 LEC TBA		*D	
21442	20 LEC TCHLR5 TTh 9:30 10:50			21536	81 LEC TBA		*D	
21526	60 DIS TBA TBA			PLEASE SEE DEPT FOR CLASS # AND PERMISSION				
373-0	Engineering Fluid Mechanics	GEN PREREQ	1.0	512-0	Seminar		0.0	
20336	20 LEC TCHLR3 MTWF 12:00 12:50			20342	20 LEC TBA TBA			
377-0	Heat Transfer I		1.0	590-0	Research		P/N REQ 1.0 4.0	
20728	20 LEC TCHA110 MWF 9:00 9:50			20888	22 LEC TBA TBA		ADMN NO PRINT P/N REQ *D	
385-0	Nanotechnology		1.0	20522	24 LEC TBA TBA		*D	
21444	20 LEC TCHLG52 TTh 11:00 12:20			20524	27 LEC TBA TBA		*D	
398-0	Engineering Design	GEN 1ST CLASS GEN PREREQ	1.0	20526	30 LEC TBA TBA		*D	
20338	20 LEC FORDITW TTh 2:00 3:20			20528	33 LEC TBA TBA		*D	
399-0	Projects	ADMN NO PRINT	1.0 3.0	20530	36 LEC TBA TBA		*D	
20454	21 LEC TBA TBA		*D	20630	37 LEC TBA TBA		*D	
20452	24 LEC TBA TBA		*D	20554	39 LEC TBA TBA		*D	
20456	27 LEC TBA TBA		*D	20636	40 LEC TBA TBA		*D	
20458	30 LEC TBA TBA		*D	20642	41 LEC TBA TBA		*D	
20460	33 LEC TBA TBA		*D	20532	42 LEC TBA TBA		*D	
20462	36 LEC TBA TBA		*D	20534	45 LEC TBA TBA		*D	
20626	37 LEC TBA TBA		*D	20536	48 LEC TBA TBA		*D	
20464	39 LEC TBA TBA		*D	20538	51 LEC TBA TBA		*D	
20622	40 LEC TBA TBA		*D	20540	54 LEC TBA TBA		*D	
20638	41 LEC TBA TBA		*D	20542	57 LEC TBA TBA		*D	
20466	42 LEC TBA TBA		*D	20544	60 LEC TBA TBA		*D	
20468	45 LEC TBA TBA		*D	20634	61 LEC TBA TBA		*D	
20470	48 LEC TBA TBA		*D	20686	62 LEC TBA TBA		*D	
20472	51 LEC TBA TBA		*D	20546	63 LEC TBA TBA		*D	
20474	54 LEC TBA TBA		*D	20680	64 LEC TBA TBA		*D	
20476	57 LEC TBA TBA		*D	20548	66 LEC TBA TBA		*D	
20478	60 LEC TBA TBA		*D	20550	69 LEC TBA TBA		*D	
20682	62 LEC TBA TBA		*D	20552	72 LEC TBA TBA		*D	
20480	63 LEC TBA TBA		*D	20832	75 LEC TBA TBA		*D	
20676	64 LEC TBA TBA		*D	20834	76 LEC TBA TBA		*D	
20482	66 LEC TBA TBA		*D	21080	77 LEC TBA TBA		*D	
20484	69 LEC TBA TBA		*D	21082	78 LEC TBA TBA		*D	
20486	72 LEC TBA TBA		*D	21414	79 LEC TBA TBA		*D	
20644	73 LEC TBA TBA		*D	20520	80 LEC TBA TBA		*D	
20824	75 LEC TBA TBA		*D	21538	81 LEC TBA TBA		*D	
20826	76 LEC TBA TBA		*D	21694	82 LEC TBA TBA		*D	
21070	77 LEC TBA TBA		*D	33896	83 LEC TBA TBA		*D	
21072	78 LEC TBA TBA		*D	PLEASE SEE DEPT FOR CLASS # AND PERMISSION				
20884	79 LEC TBA TBA		*D	Master of Product Development				
21528	80 LEC TBA TBA		*D	MPD				
21530	81 LEC TBA TBA		*D	403-0	Creativity and Innovation		RSTR GRAD 0.5	
PLEASE SEE DEPT FOR CLASS # AND PERMISSION								
426-1	Computational Mechanics 1	GEN PREREQ	1.0	20776	20 LEC FORDITW F 12:30 3:30		*D	
33891	20 LEC TCHL150 TTh 11:00 12:20	GEN PREREQ		20776	20 LEC FORDITW S 1:00 4:00		*D	
432-0	Optimization Methods in Science and Engineering	NO P/N	1.0	404-0	Essentials of Industrial Design		RSTR GRAD 0.5	
33892	20 LEC TCHM177 MW 3:30 4:50	NO P/N		20792	20 LEC ASSIGNEDF 12:30 3:30		*D	
439-0	Computer Control in Manufacturing		1.0	20792	20 LEC ASSIGNEDS 1:00 4:00		*D	
33893	20 LEC TCHLG76 TTh 3:00 4:50			Meets in Ford ITW				
451-0	Micromachining		1.0	405-0	Software Product Development		NO P/N RSTR GRAD NO P/N *D	
21074	20 LEC TCHMG28 MWF 11:00 11:50			34352	20 LEC ASSIGNEDF 8:30 11:30		RSTR GRAD NO P/N *D	
456-0	Mechanics of Advanced Materials		1.0	34352	20 LEC ASSIGNEDS 9:00 12:00		RSTR GRAD NO P/N *D	
33894	20 LEC TCHLR4 MW 2:00 3:20			Meets in Ford ITW				
466-0	Inelastic Constitutive Relations for Solids	GEN PREREQ	1.0	411-0	Design for X		RSTR GRAD 0.5	
33895	20 LEC TCHM120 MWF 9:00 9:50	GEN PREREQ		34353	20 LEC ASSIGNEDF 12:30 3:30		RSTR GRAD *D	
495-0	Selected Topics in Mechanical Engg		1.0	34353	20 LEC ASSIGNEDS 1:00 4:00		RSTR GRAD *D	
20944	20 LEC TCHLR4 TTh 12:30 1:50			Meets in Ford ITW				
	Protein Dynamics			420-0	Accounting Issues for Product Development		RSTR GRAD 0.5	
499-0	Projects		1.0 3.0	20938	20 LEC FORDITW F 8:30 11:30		RSTR GRAD *D	
20886	22 LEC TBA TBA		*D	20938	20 LEC FORDITW S 9:00 12:00		RSTR GRAD *D	
20340	24 LEC TBA TBA		*D	424-0	Financial Issues in Product Development		RSTR GRAD 0.5	
20488	27 LEC TBA TBA		*D	20902	20 LEC FORDITW F 8:30 11:30		RSTR GRAD *D	
20490	30 LEC TBA TBA		*D	20902	20 LEC FORDITW S 9:00 12:00		RSTR GRAD *D	
				444-0	Negotiations/Conflict Resolution		RSTR GRAD 0.5	
				20774	20 LEC FORDITW F 12:30 3:30		*D	
				20774	20 LEC FORDITW S 1:00 4:00		*D	

CAT #	TITLE	CRS ATTR	CREDIT	CAT #	TITLE	CRS ATTR	CREDIT
CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CLS ATTR	PERM
TOPIC/NOTES							
458-0	Intellectual Capital Strategy for Product Development	RSTR GRAD	0.5	20946	20 LEC ASSIGNEDF	8:30 11:30	Conley
	Meets in Ford ITW	RSTR GRAD	*D	20946	20 LEC ASSIGNEDS	9:00 12:00	Conley
	Meets in Ford ITW	RSTR GRAD	*D				

Project Management PROJ_MGT

433-0	International Construction	RSTR GRAD	0.5	21650	20 LEC TCHA110	Th	4:00 6:00	Krizek	RSTR GRAD	*I
441-0	Sustainability in Construction		0.5	21416	20 LEC TCHA110	T	4:00 6:00	Hadavi		
502-0	Communications Seminar		0.0	31827	20 LEC TBA	TBA		Krizek Hirsch		*I
588-0	Resident Masters Study	ADMIN NO PRINT	0.0	20450	20 LEC TBA	TBA		Krizek		

The Graduate School

CIC Traveling Scholar CIC

585-8	CIC Traveling Scholar		1.0	24686	88 LEC TBA	TBA		Perry		*D
				24776	89 LEC TBA	TBA		Perry		*D
				24792	90 LEC TBA	TBA		Perry		*D

Clinical Embryology CLIN_EMB

420-0	Intro to Research in Reproductive Biology		1.0	25064	20 LEC TBA	TBA		Zhang		*D
425-0	Intro to Assisted Reproductive Technologies		1.0	25066	20 LEC TBA	TBA		Zhang		*D

Clinical Psychology CLIN_PSY

403-0	Psychological Assessment II	ADMIN NO PRINT NO P/N RSTR DEPT	1.0							
24694	20 LEC TBA	W	9:30 12:00	Sullivan						
	Meets in Abbott 1228									
415-0	Professnl Issues	RSTR DEPT	0.0	24798	20 LEC TBA	Th	10:00 12:00	Dienes		
	Meets in Abbott 1220									
416-0	Psychopathol I	ADMIN NO PRINT NO P/N PERM DEPT RSTR DEPT	1.0							
24696	20 LEC TBA	W	TBA	Taylor						
	Meets in Abbott 1228									
24696	20 LEC TBA	F	10:00 12:00	Taylor						
	Meets in Abbott 1228									
427-0	Research Methods II	NO P/N RSTR DEPT	1.0							
24698	20 LEC TBA	Th	10:00 12:30	Weiner						
	Meets in Abbott 1228									
466-0	Child Psychopathology		1.0	24700	20 LEC TBA	F	2:00 5:00	Lavigne		
	Meets in Abbott 1228									
475-0	Neuropsychological Diagnosis	PERM INST	1.0	24702	20 LEC TBA	Th	1:00 4:00	Hanlon		
498-0	Special Topics		1.0	24704	10 LEC TBA	Th	12:00 2:00	Weiner		
	Randomized Controlled Trials									
	Meets in Abbott 1228									
24706	14 LEC TBA	TBA		Weintraub						*I
	Neurology for Psychologists II									
499-0	Independent Study		1.0	24708	20 LEC TBA	TBA		Weintraub		*I
				24710	21 LEC TBA	TBA		Zeldow		*I
				24712	22 LEC TBA	TBA		Carroll		*I
				24714	23 LEC TBA	TBA		Reinecke		*I
PLEASE SEE DEPT FOR CLASS # AND PERMISSION										
523-0	Practicum	P/N REQ P/N REQ	1.0	24822	20 LEC TBA	TBA		Zeldow		
590-0	Research		1.0 3.0	24716	20 LEC TBA	TBA		Abram		
				24718	21 LEC TBA	TBA		Zeldow		
				24720	22 LEC TBA	TBA		Teplin		
				24722	23 LEC TBA	TBA		Weintraub		
				24724	25 LEC TBA	TBA		Johnson		
				24726	26 LEC TBA	TBA		Jordan		
				24728	27 LEC TBA	TBA		Lavigne		
				24730	28 LEC TBA	TBA		Staff		
				24732	29 LEC TBA	TBA		Reinecke		
				24734	30 LEC TBA	TBA		Carroll		
PLEASE SEE DEPT FOR CLASS # AND PERMISSION										

Counseling Psychology COUN_PSY

412-0	Group & Organizational Dynamics	NO P/N NO P/N	1.0	24620	20 LEC FIB200	T	1:00 5:00	Cytrynbaum		
415-0	Psychopathology Through Adult Life Course	NO P/N NO P/N	1.0	24786	20 LEC NOGP	W	8:30 11:30	Jacobowitz		

CAT #	TITLE	CRS ATTR	CREDIT	CAT #	TITLE	CRS ATTR	CREDIT			
CLS #	SEC TYPEROOM	DAYS	START	END	INSTRUCTOR	CLS ATTR	PERM			
TOPIC/NOTES										
426-0	Assessment of Individual Differences in Personality and Intelligence		1.0	24622	20 LEC FIB200	W	1:00 4:00	Jacobowitz		NO P/N
430-0	Vocational Assessment		1.0	24796	20 LEC FIBLL00	W	4:00 7:00PM	Jacobowitz		NO P/N
436-0	Child Therapy		1.0	24802	20 LEC FIB200	F	12:30 3:30	Shafer		NO P/N
452-0	Theory & Technique of Substance Abuse Counseling		1.0	24800	20 LEC FIB300	W	8:30 11:30	Cusack		NO P/N
		RSTR DEPT								
479-2	Introduction to Clinical Practice		1.0	24624	20 LEC FIBLL00	T	8:30 11:30	Carn-Watkins		NO P/N
480-2	Counseling Methods II: Assessment and Intervention		1.0	24626	20 LEC FIB300	T	8:30 11:30	McDevitt		NO P/N
		RSTR DEPT								
481-2	Supervised Practicum in Counseling Psychology		1.0	24628	20 LEC TBA	TBA		Freed		
482-2	Supervised Externship in Counseling Psychology		1.0	24646	20 LEC TBA	TBA		Freed		NO P/N
		RSTR DEPT								
483-2	Cultural Diversity in Counseling		1.0	24630	20 LEC FIB200	F	8:30 11:30	McNeil		NO P/N
		RSTR DEPT								
499-0	Independent Study		1.0	24652	02 LEC TBA	TBA		Blum		NO P/N
				24648	06 LEC TBA	TBA		Blum		NO P/N
				24632	12 LEC TBA	TBA		Blum		NO P/N
				24650	39 LEC TBA	TBA		Blum		NO P/N
PLEASE SEE DEPT FOR CLASS # AND PERMISSION										
582-2	Supervised Externship in Counseling Psychology		0.0	24680	20 LEC TBA	TBA		Blum		NO P/N
		RSTR DEPT								
584-0	Advanced Externship in Counseling Psychology		0.0	24634	20 LEC TBA	TBA		Carn-Watkins		NO P/N
		RSTR DEPT								

Epidemiology & Biostatistics EPI_BIO

401-0	Intermediate Epidemiology		1.0	24922	20 LEC ANNG28	W	1:00 4:00	Kyriacou		
	Prentice Womens Hosp Conf Rm N									
402-0	Intermediate Biostatistics		1.0	24924	20 LEC ANNG30	MW	9:00 10:30	Scholtens		
	Meets 680 Lake Shore Dr #1102									

Genetic Counseling GENET_CN

402-0	Principles of Medical Genetics II	ADMIN NO PRINT NO P/N		24736	20 LEC TBA	MT	4:30 6:30PM	Leeth		
	Meet in Lurie 6-127									
24736	20 LEC TBA	Th	7:30 9:00	Wicklund Leeth						
	Meet in Lurie 6-127									
405-0	Topics in Genetics	ADMIN NO PRINT NO P/N	1.0	24738	20 LEC TBA	T	10:00 12:00	Wicklund		
	Current & Future Issues									
	Meet in Lurie 6-127									
422-0	Genetics Journal Club		0.0	24768	20 DIS TBA	TBA		Wicklund		
423-0	Genetics Patient Review		0.0	24770	20 DIS TBA	T	12:00 1:00	Wicklund		
424-0	Genetic Lecture Series		0.0	24772	20 LEC TBA	M	8:00 9:00	Wicklund		
425-0	Adult Genetics		1.0	24840	20 LEC TBA	M	9:30 11:00	Wicklund Young Dellefave		
				24840	20 LEC TBA	TW	8:00 9:30	Wicklund		
	Meet in Lurie 6-127									
499-0	Research Project		1.0 2.0	24740	20 LEC TBA	TBA		Wicklund		
PLEASE SEE DEPT FOR CLASS # AND PERMISSION										
525-0	Clinical Rotations		1.0	24742	20 LEC TBA	M	TBA	Wicklund		NO P/N

Hlthcare Quality & Pat Safety HQS

420-0	Introduction to the U.S. Healthcare System		1.0	25054	20 LEC ASSIGNEDTh	6:15PM 9:15PM		Shalowitz		*D
	Meets in Lurie, Searle Seminar									
435-0	Capstone Class II		1.0	25006	20 LEC 1-401	Th	6:00 9:00PM	Woods Weiss		
440-0	Fundamental Methods for Healthcare Quality and Patient Safety		1.0	25016	20 LEC TBA	TBA		Woods		
	Biostatistics							Woods		
499-0	Independent Study		1.0	25014	20 LEC TBA	TBA		Woods		
PLEASE SEE DEPT FOR CLASS # AND PERMISSION										

Northwestern University Evanston, Illinois

