

UNIVERSITY OF MINNESOTA

Rochester

Spring Semester 2005 CREDIT CLASS SCHEDULE January 18 ~ May 14

All courses meet during the full session unless otherwise noted.

University Center Rochester (UCR) locations:

AH = Art Hall • CF = Coffman Center • EA = East Hall • EH = Endicott Hall • GL = Goddard Library
H = Heintz Center • MH = Memorial Hall • SH = Singly Hall • ST = Science & Technology Bldg.

Other locations:

MC = Mayo Clinic • RMH = Rochester Methodist Hospital • SMH = St. Marys Hospital

Course Symbols

✉ Correspondence Course

📺 Offered online

■ Offered via ITV (Interactive Television Course)

UNITE (UNiversity Industry Television for Education) courses:

☐ Offered via the University's interactive television network

☒ Offered via interactive television and streaming video

⚡ Offered via streaming video

Registration procedures for courses will vary.

Please refer to http://www.r.umn.edu/06_registration.htm for specific information.

Dept.No.	Class Number	Course Title	Credits	Day	Time	Room	Instructor
AGRICULTURAL, FOOD, AND ENVIRONMENTAL EDUCATION							
(College of Education and Human Development)							
■ AFEE 5220	60750	Special Topics in Agricultural Education and Extension	2	R	6:00-9:30 pm <i>Meets 3/24-5/12</i>	ST118	Grieman
■ AFEE 5231		Agricultural Education Curriculum K-12	2	R	Cancelled		
APPLIED BUSINESS (College of Continuing Education)							
<i>These courses are open only to admitted students in certificate or degree programs.</i>							
📺 ABus 4042	56962	Planning and Implementation at the Business Unit Level	3	Arranged		-	Scottston
📺 ABus 4104	56969	Management and Human Resource Practices	3	Arranged		-	Hause
📺 ABus 4601	67332	Corporate Finance	3	Arranged		-	Vaidyanathan
📺 ABus 4701	67333	Introduction to Marketing	3	Arranged		-	Riley

These courses are open to non-admitted students only.

☞ ABus 4031	58365	Accessing and Using Information Effectively	3	Arranged	-	Swanson
☞ ABus 4042	55743	Planning and Implementation at the Business Unit Level	3	Arranged	-	Scottston
☞ ABus 4104	55746	Management and Human Resource Practices	3	Arranged	-	Brooks
☞ ABus 4601	66677	Corporate Finance	3	Arranged	-	Wong
☞ ABus 4701	66678	Introduction to Marketing	3	Arranged	-	Vaidyanathan

BIOMEDICAL ENGINEERING (Institute of Technology)

☒ BME n 5101		Advanced Bioelectricity/Instrumentation	3	Cancelled		
☐ BME n 5311		Advanced Biomedical Transport Processes	3-4	Cancelled		
⌘ BME n 5444		Muscles	3	Cancelled		
☒ BME n 5501		Biology for Biomedical Engineers	3	Cancelled		
☐ BME n 8602	60351	Biomedical Engineering Seminar	1	M	3:25-4:25 pm	GL133 Odde

BUSINESS

See Master of Business Administration

COMPUTER SCIENCE AND ENGINEERING (Institute of Technology)

☐ CSci 4131		Internet Programming	3	Cancelled		Tripathi
☐ CSci 4203		Computer Architecture <i>Meets concurrently with EE 4363</i>	4	Cancelled		Sobelman
☐ CSci 4211	65993	Introduction to Computer Networks	3	M	6:30-9:00 pm	GL135 Sturtivant
☐ CSci 4707		Practice of Database Systems	3	Cancelled		Srivastava
⌘ CSci 5108		Fundamentals of Computer Graphics II	3	Cancelled		Meyer
⌘ CSci 5116	67083	GUI Toolkits and Their Implementation	3	MW	9:45-11:00 am	- Terveen
⌘ CSci 5131		Advanced Internet Programming	3	Cancelled		
☒ CSci 5161	66011	Introduction to Compilers	3	R	6:30-9:00 pm	GL133 Nadathur
☐ CSci 5283		Computer-Aided Design I	3	Cancelled		
☐ CSci 5302	65999	Analysis of Numerical Algorithms	3	TR	11:15 am-12:30 pm	GL133 Boley
⌘ CSci 5403		Computational Complexity	3	Cancelled		
⌘ CSci 5421	65970	Advanced Algorithms and Data Structures	3	MW	11:15 am-12:30 pm	- Sturtivant
☒ CSci 5451	65973	Introduction to Parallel Computing: Architectures, Algorithms, and Programming	3	TR	9:45-11:00 am	AT102 Kumar
⌘ CSci 5471		Modern Cryptography	3	Cancelled		

☒ CSci 5511	66005	Artificial Intelligence I	3	TR	4:00-5:15 pm	GL135	Voyles
⌘ CSci 5512W	65990	Artificial Intelligence II	3	MW	4:00-5:15 pm	-	Schular
☒ CSci 5561	65996	Computer Vision	3	W	6:30-9:00 pm	GL133	Schrater
☒ CSci 5708	67092	Architecture and Implementation of Database Management Systems	3	TR	4:00-5:15 pm	GL137	Shekhar
☒ CSci 5801	67095	Software Engineering I	3	TR	2:30-3:45 pm	GL133	Heimdahl
⌘ CSci 5802	67098	Software Engineering II	3	MW	2:30-3:45 pm	-	Liang
☐ CSci 5980		Current Trends on Computer Architecture and Compiler Optimization	1-3	Cancelled			
☐ CSci 8205	67102	Parallel Computer Organization	3	TR	12:45-2:00 pm	GL133	Yew
☒ CSci 8211	67105	Advanced Computer Networks and Their Applications	3	MW	4:00-5:15 pm	GL135	Du
⌘ CSci 8363		Numerical Linear Algebra in Data Exploration	3	Cancelled			
⌘ CSci 8442		Computational Geometry and Applications	3	Cancelled			
☐ CSci 8725	66008	Databases for Bioinformatics	3	T	6:30-9:00 pm	GL135	Carlis
☐ CSci 8970		Computer Science Colloquium	1	Cancelled			

CONTROL SCIENCE AND DYNAMICAL SYSTEMS (Institute of Technology)

☐ CSDy 8899		Control Theory Seminar	1-3	Cancelled			
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CURRICULUM AND INSTRUCTION (College of Education and Human Development)

CI 5177	68390	Practical Research	3	R	5:00-10:00 pm	ST211	Kalnin
					<i>Meets 1/20; 2/3,17; 3/3,24; 4/7,21; 5/5</i>		
CI 5186		School-Related Projects	1-4	Arranged with instructor		-	Staff
		<i>(NOTE: Please contact Joseph Marchesani at 507-280-2819 for registration instructions)</i>					
CI 5187	50466	Practicum: Improvement of Teaching in Elementary/Pre-K Schools	2-3	Arranged with instructor		-	Manning
CI 5331	68327	Introduction to Instructional Systems and Technology	3	F	5:00-9:00 pm	ST211/	Reinartz
				S	9:00 am-3:00 pm	SH203/SH202	
					<i>Meets 1/21,22; 2/25,26; 3/11,12; 4/8,9</i>		

EDUCATIONAL POLICY AND ADMINISTRATION (College of Education and Human Development)

■ EdPA 5344	66903	Legal Aspects of Elementary-Secondary Education	3	W	5:00-8:00 pm	ST118	McLeod
					<i>Meets 1/19; 2/23; 3/30; 4/20; 5/11</i>		
					All other course activity will be online via WebCT Vista course management system.		
■ EdPA 8502	62729	Program Evaluation Theory	3	T	5:00-7:30 pm	ST112	Yeh

ELECTRICAL AND COMPUTER ENGINEERING (Institute of Technology)

□ EE Colloq	Electrical Engineering Colloquium	0	R	3:35-4:35 pm	AT102 AT109 (2/24 only)	Staff
≈ EE 3161	67114 Semiconductor Devices	3	MWF T	11:15 am-12:05 pm 2:30-3:20 pm (optional meeting in Room GL332)	-	Sobelman
□ EE 3601	Transmission Lines	3	Cancelled			
□ EE 4363	Computer Architecture and Machine Organization <i>Meets concurrently with CSci 4203</i>	4	Cancelled			Sobelman
□ EE 4609	67434 Digital Signal Integrity <i>Meets concurrently with EE 5609</i>	3	TR	8:15-9:30 am	GL135	Sainati
□ EE 5141	Introduction to Microsystem Technology	4	Cancelled			
□ EE 5164	Semiconductor Properties and Devices II	3	Cancelled			
☒ EE 5235	Robust Control System Design	3	Cancelled			
≈ EE 5302	VLSI Design Automation II	3	Cancelled			Roychowdhury
☒ EE 5324	60378 VLSI Design II	3	MW	4:40-5:50 pm	GL133	Bazargan
☒ EE 5371	60380 Computer Systems Performance Measurement and Evaluation	3	TR	2:30-3:45 pm	GL135	Lilja
☒ EE 5505	60382 Wireless Communication	3	TR	8:15-9:30 am	GL133	Moon
☒ EE 5542	62343 Adaptive Digital Signal Processing	3	TR	12:45-2:00 pm	GL137	Parhi
☒ EE 5601	Introduction to RF/Microwave Engineering	3	Cancelled			
☒ EE 5609	67438 Digital Signal Integrity <i>Meets concurrently with EE 4609</i>	3	TR	8:15-9:30 am	GL135	Sainati
☒ EE 5621	Physical Optics	3	Cancelled			
□ EE 5627	Optical Fiber Communication	3	Cancelled			
□ EE 5655	Magnetic Recording	3	Cancelled			
□ EE 5705	Advanced Electric Drives	3	Cancelled			Mohan
□ EE 5821	60388 Biological System Modeling and Analysis	3	MWF	1:25-2:15 pm	GL135	Holte
EE 5950	66847 Digital Signal Processing II	3	TR	4:00-6:00 pm <i>Meets 1/4-3/24/05</i>	MC- 15 th floor lecture hall	Ottesen
□ EE 5950	Digital Signal Processing II	1-4	Cancelled			Moon
☒ EE 8337	Analog Circuits for Wire/Wireless Communications	3	Cancelled			
□ EE 8367	Parallel Machine Organization	3	Cancelled			
EE 8541	66846 Image Processing	3	TR	4:00-6:00 pm <i>Meets 4/5-6/23/05</i>	MC- 15 th floor lecture hall	Ottesen
☒ EE 8581	Detection and Estimation Theory	TBA	Cancelled			Giannakis

□ EE 8660		Seminar: Magnetics	1-3	Cancelled			
□ EE 8950	67448	Advanced VLSI Circuits Design	3	TR	11:15 am-12:30 pm	AT102	Kim

HEALTH SYSTEMS MANAGEMENT (College of Continuing Education)

*These courses are open only to admitted students in the bachelor of applied science programs in **Radiation Therapy** or **Respiratory Care**. See also **Radiation Therapy** or **Respiratory Care** courses below. Please refer to the program curricula for complete listings of required coursework.*

☞ HSM 3521	67334	Health Care Delivery Systems	3	Arranged		-	Riley
☞ HSM 4501	56335	Writing for the Health Professions	3	Arranged		-	Bahar

HUMAN RESOURCE DEVELOPMENT (College of Education and Human Development)

HRD 5105	62039	Strategic Planning Through Human Resource Development	3	F	5:00-10:00 pm <i>Meets 1/21; 2/4; 3/4</i>	SH102	Peterson
				S	9:00 am-5:00 pm <i>Meets 1/22; 2/5; 3/5</i>		
HRD 5301	68066	Organization Development	3	M	5:00-10:00 pm <i>Meets 1/24-3/14</i>	CF202	Johansen
HRD 5496	66834	International Field Study in Human Resource Development	3	S	9:00-5:00 pm <i>Class meets 4/9; 5/7 ... Trip to Iceland 5/16-5/25</i>	EA119	Johansen

INDUSTRIAL ENGINEERING OPERATIONS RESEARCH (Institute of Technology)

☒ IE 5541	60359	Project Management	4	T	6:10-9:00 pm	GL133	Schwalbe
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LABORATORY MEDICINE AND PATHOLOGY (Medical School)

☞ LaMP 4177	60827	Pathology for Allied Health Students	3	Arranged		-	Linne
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LATIN (College of Liberal Arts)

Lat 3300	68142	Intermediate Latin Poetry	4	MW	6:00-7:45 pm	SH109	Sassenberg
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MANUFACTURING TECHNOLOGY (College of Continuing Education)

*These courses are open only to admitted students in the **Bachelor of Applied Science in Manufacturing Technology** program.*

☞ MT 4025	67337	Computer Integrated Manufacturing	3	Arranged		-	Narayan
☞ MT 4201	67338	Statistical Process Control	3	Arranged		-	Rand

These courses are open to non-admitted students only.

☞ MT 4025	66653	Computer Integrated Manufacturing	3	Arranged		-	Narayan
☞ MT 4201	65613	Statistical Process Control	3	Arranged		-	Rand

MASTER OF BUSINESS ADMINISTRATION (U of M Duluth, Labovitz School of Business and Economics)

MBA 8411	48032	Policy Formulation and Implementation	3	F	3:00-6:00 pm 7:00-9:30 pm	CF202	Goel
				S	8:00 am-12:30 pm <i>Meets 3/18,19; 4/1,2,15,16,29,30</i>		
MBA 8611	63875	Financial Management	3	F	3:00-600 pm 7:00-9:30 pm	CF202	Wong
				S	8:00 am-12:30 pm <i>Meets 1/21,22; 2/4,5,18,19;3/4,5</i>		

MATHEMATICS (Institute of Technology)

☒ Math 5588	Elementary Partial Differential Equations II	4	Cancelled
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NURSING (School of Nursing)**Level One Nursing Courses:**

■ Nurs 3702	62030	Foundations of Professional Nursing	3	W	2:30-4:25 pm	ST108	Treat-Jacobson/ Daniels
		<i>Clinical</i>	1	T	7:00 am-12 noon	ST110	
■ Nurs 3704		Nursing Fundamentals I: Assessment and Intervention	4	W	12:20-2:15 pm	ST110	Daniels/Carey
	61137	<i>Skills Lab & Classroom</i>		R	8:00 am-12 noon	HC200/203	
	61139	<i>Skills Lab & Classroom</i>		R	12:30-4:30 pm	HC200/203	
	66925	<i>Skills Lab & Classroom</i>		F	8:00 am-12 noon	HC200/203	
■ Nurs 3706		Therapeutic Communication	3	W	9:05-11:00 am	ST108	Carl/Caines Carl Carl
	62765	<i>Lab</i>		R	9:05-11:00 am	HA132	
	62766	<i>Lab</i>		R	12:30-2:30 pm	HA132	

Level Two Nursing Courses:

■ Nurs 4320	66640	Psychiatric and Mental Health Nursing	5	M	8:00-11:00 am	ST114	Wiling/Quast Foss Foss Foss
	66651	<i>Clinical</i>				MC	
	67361	<i>Clinical</i>				MC	
	67362	<i>Clinical</i>				MC	
Nurs 4322	66644	Population-Based Public Health Nursing	5	T	1:25-4:25 pm	SH210	Cross/O'Boyle
		<i>Meets concurrently with Nurs 4400 seniors</i>					
	66645	<i>Clinical</i>					
	67366	<i>Clinical</i>					
	67367	<i>Clinical</i>					
■ Nurs 4324	65570	Transcultural Nursing and Global Health	3	T	9:05-12:05 pm	ST112	Grimsrud/ Struthers
■ Nurs 4326	67619	Nursing Care of Older Adults	1	M	12:20-1:10 pm	CF103/ ST112/ST114	Mueller/ Peters
					<i>Meets 1/24 and 5/2</i>		

Level Three Nursing Courses:

Nurs 4400	61157	Health Care of Populations	3	T	1:25-4:25 pm	SH210	Pfeiffer
		<i>Meets concurrently with Nurs 4322 juniors</i>			<i>Begins 1/25</i>		
Nurs 4401		Health Care of Populations: Clinical Practicum	2	R	8:00 am-2:00 pm	Olmsted	Staff
	62757	<i>Clinical</i>			<i>Begins 1/27</i>		
	67032	<i>Clinical</i>					
■ Nurs 4402	61159	Taking Ethical Action in Health Care	1	M	3:35-5:30 pm	ST112	Rowan
					<i>Meets 1/24,31; 2/7,14,21,28; 3/21</i>		
■ Nurs 4404	61161	Applied Nursing Research and Research Utilization	2	T	9:05-9:55 am	ST114	Chlan
	61162	<i>Seminar</i>		T	10:10-11:00 am	SH109	Holland
■ Nurs 4406W	61163	Leadership and Management for Shaping Professional Nursing Practice	4	M	8:00-11:00 am	ST116	Disch
■ Nurs 4410	61164	Critical Care Nursing	3	F	9:05 am-12:05 pm	ST114	Steffes/Chlan
				M	12:30-3:30 pm (4/5 class meets on Twin Cities campus)		
■ Nurs 4412	62758	Acute/Critical Nursing Care of Children	3	F	9:05 am-12:05 pm	ST116	O'Conner
		<i>Lab</i>			<i>Afternoon</i>		

Graduate Nursing Courses:

■ Nurs 5040H	68236	Seeking Solutions to Global Health Issues	3	T	9:05 am-12:05 pm	HA117	Robertson
☞ Nurs 5111	63270	Learning Theories for Nursing Education	1	Arranged		-	Snyder
☞ Nurs 5224	49892	Clinical Pharmacotherapeutics	3	Arranged		-	Bata Jones
☞ Nurs 5501	49893	Professional Issues in Nurse-Midwifery 1-2	1-2	Arranged		-	Ringdahl
☞ Nurs 5808	57320	American Indian Health and Health Care	2	Arranged		-	Staff
☞ Nurs 8170	49898	Research in Nursing	3	Arranged		-	Anderson/ Hodge/Savik
☞ Nurs 8242	49900	Population Focused Health Care Delivery Systems	2	Arranged		-	O'Boyle
☞ Nurs 8402	49902	Primary Care: Assessment and Management of Health for Advanced Practice Nurses	2-4	Arranged		-	Nygaard/Bata Jones/ Benbenek/ Smith
☞ Nurs 8501	55014	Reproductive Health Care for Women	3-8	Arranged		-	Plumbo
☞ Nurs 8502	49905	Reproductive Health Care for Women at Risk	2-6	Arranged		-	Ringdahl/Avery/ Juve/Plumbo
☞ Nurs 8601	54547	Interventions for Health of Populations	3	Arranged		-	Kerr
☞ Nurs 8603	57920	Public Health Nursing Leadership Practicum	3	Arranged		-	Kerr
☞ Nurs 8721	49908	The Nurse Educator in Higher Education	4	Arranged		-	Snyder

PHARMACY (College of Pharmacy)

☞ Phar 1001	53476	Introduction to Pharmacy	1	Arranged		-	Janke
Phar 1002	53463	Health Science Terminology	2	Self-Study Course		-	Janke
Phar 1003	60198	Self Care: A Guide to Today's Nonprescription Pharmacy	2	Self-Study Course		-	Janke
Phar 5201	53464	Health Science Terminology	2	Self-Study Course		-	Janke
☞ Phar 3800	63211	Pharmacotherapy for the Health Professions	3	Arranged		-	Janke

PUBLIC HEALTH (School of Public Health)

☞ PubH 5003	58371	Fundamentals of Alcohol and Drug Abuse	1	Arranged		-	Rothenberger
☞ PubH 5020	67492	Fundamentals of Social and Behavioral Science	3	Arranged		-	Finnegan
☞ PubH 5201	67491	Issues in Environmental and Occupational Health	3	Arranged		-	Olson
PubH 5291	66755	Independent Study: Public Health Practice	1-4				Lohman

PubH 5294	61202	Master's Project: Public Health Practice	3				Lohman
PubH 5296	61203	Field Experience: Public Health Practice	3				Lohman

RADIATION THERAPY (College of Continuing Education)

*These courses are open only to admitted students in the **Bachelor of Applied Science in Radiation Therapy** program. Please refer to the program curriculum for a complete listing of required coursework, including the **Health Systems Management** course.*

RTT 3551	67608	Radiation Oncology Physics	3	MWF	8:00-9:30 am	MC-Charlton S-285	Blackwell
RTT 3581	67026	Principles and Practices of Radiation Therapy	4	MWF	10:00 am-12:30 pm	MC-Charlton S-285	Bussman- Yeakel
RTT 3696	67028	Clinical Practicum II	3	M T W R F	2:30-4:40 pm 8:00 am-4:30 pm 2:30-4:30 pm 8:00 am-12:30 pm 1:00-4:30 pm	MC-Charlton Desk R	Bussman- Yeakel
RTT 3701	67027	Advanced Radiobiology and Radiation Protection	3	WF	1:00-2:30 pm	MC-Charlton S-285	Bussman- Yeakel/ Braun

RESPIRATORY CARE (College of Continuing Education)

*These courses are open only to admitted students in the **Bachelor of Applied Science in Respiratory Care** program. Please refer to the program curriculum for a complete listing of required coursework, including the **Health Systems Management** course.*

RC 3102	67133	Respiratory Care Modalities and Equipment II	4	W F	Lecture: 12:30-2:20 pm Lab: 8:00-9:50 am Lecture: 12 noon-1:50 pm	MC-Siebens 1013	Ward
RC 3302	66969	Clinical Practice II	4	2 days MT or R	Arranged Clinical 7:00 am-3:00 pm or 3:00-11:00 pm	MC	Pringnitz
RC 3402	66970	Respiratory Care Seminar II	1	W	Lecture: 11:30 am-12:20 pm	MC-Siebens 1013	Findlay/ Plevak
RC 3501	67879	Advanced Respiratory Physiology and Pathophysiology	3	W F	Lab: 9:00-10:50 am Lecture: 2:30-4:20 pm Lecture: 10:00-10:50 am	MC-Siebens 1013	Ward

RHETORIC (College of Agriculture, Food, and Environmental Sciences)

■ Rhet 3371	61540	Technology, Self, and Society	3	MWF	11:45 am-12:35 pm	ST118	Nichols
☞ Rhet 3401	57017	Internet Communication: Tools and Issues	3	Arranged		-	Novak
☞ Rhet 3562	61872	Technical and Professional Writing	4	Arranged		-	Becker
■ Rhet 3672	63983	Project Design and Development II	3	R	4:30-7:00 pm	ST116	Longo
■ Rhet 3701	63981	Rhetoric Theory and Scientific and Technical Communication	4	TR	3:00-4:15 pm	ST116	Logie
☞ Rhet 4561	66904	Editing and Style for Technical Communicators	3	Arranged		-	Horvath

■ Rhet 4573	65019	Writing Proposals and Grant Management	3	T	5:10-7:40 pm	SH101	Mikelonis
☞ Rhet 4662	63985	Emerging Technologies in Technical Communication	4	Arranged		-	Anderson
■ Rhet 5511	63984	Research in Scientific and Technical Communication	3	TR	10:15-11:30 am	ST114	McDowell

SOCIAL WORK (College of Human Ecology)

■ SW 5313	64609	Social Work with Older Adults	2	F	4:00-8:00 pm	SH101	Luptak <i>Meets 3/11-5/14 (3/11 class meets 6:00-8:00 pm)</i>
■ SW 5813	64607	Child Welfare and the Law	2	F	4:00-8:00 pm	SH101	Opsahl <i>Meets 1/21-3/11 (3/11 class meets 6:00-8:00 pm)</i>
■ SW 8101	64050	Social Policy and Delivery Systems for Child Welfare and Family Services	3	S	8:00-11:00 am	AT102 ST114 beginning 2/12/05	Wells
■ SW 8103	64052	Health and Mental Health Policy	3	F	5:10-8:00 pm	AT102	Jones
■ SW 8211	64019	Macro Social Work Practice and Policy Advocacy	3	S	8:00-11:00 am	CF103 SH101 on 2/19/05 only	Reinardy
■ SW 8314	64542	Social Work Interventions with Families	3	S	1:30-4:30 pm	SH101	Hendrickson
■ SW 8601	64209	Social Work Research Methods	2	S	1:30-4:30 pm	CF103 ST112 on 2/12/05 only	Whitebird
SW 8602	65058	Direct Practice Evaluation	2	S	11:15 am-1:15 pm	SH109 EH102 beginning 2/12/05	O'Brien

TRANSLATION AND INTERPRETING (College of Continuing Education)

TrIn 3102	57509	Consecutive Interpreting	3	W	6:00-9:00 pm	EA102	Ugalde
TrIn 4201	63306	Interpreting in Health Care Settings	3	T	6:00-9:00 pm	EA102	Aleman

Course information is subject to change. Please refer to http://www.r.umn.edu/03_schedule.htm for the most-up-to-date information and course descriptions.