

**SPIRE REGISTRATION INFORMATION for Spring 2015**

	<u>CATALOG REQUISITE (PRE-REQ CHECK):</u>	<u>CLASS ASSOCIATED REQ (ELIG RESTRICTIONS):</u>	<u>CLASS NOTES/COMMENTS:</u>
<div style="border: 1px solid black; padding: 5px;"> <b>105</b> Verts                      CMPTR LTRCY                 </div>	NONE	NON-CMPSCI MAJORS ONLY.	<p><b>INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</b></p> <p>ATTENDING THE FIRST LECTURE IS MANDATORY. ALL STUDENTS MUST HAVE ACCESS TO A COMPUTER FOR PERFORMING ASSIGNMENTS. COMPUTER MUST RUN WINDOWS 7, WINDOWS 8, OR MAC OS/X 10.6 AND LATER, WITH A RECENT VERSION OF MICROSOFT OFFICE (NOTHING EARLIER THAN MICROSOFT OFFICE 2010 FOR WINDOWS OR MICROSOFT OFFICE 2011 FOR MAC). NOT ALL ASSIGNMENTS CAN BE PERFORMED ON A MAC, BUT STUDENTS WITHOUT WINDOWS (OR WITHOUT A COMPUTER) MAY USE CAMPUS WINDOWS PC LABS. PLEASE CHECK 105 WEBSITE. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a></p> <p>STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>DISCUSSIONS MEET AFTER FIRST LECTURE. IF YOU HAVE QUESTIONS ABOUT 121 COURSE ADMINISTRATION, CONTACT CS121admin@cs.umass.edu. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>NOT FOR MAJOR CREDIT. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>ATTEND DISCUSSION EVEN IF BEFORE FIRST CLASS MEETING. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>MUST BE ENROLLED IN CMPSCI 121 CONCURRENTLY. STUDENTS NEEDING PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>INSTRUCTOR CONSENT TO ADD BEGINNING 1/29. INSTRUCTOR CONSENT TO DROP OR WITHDRAW THROUGH 2/4 ONLY. COURSE RUNS FOR 6 WEEKS (1/30, 2/6, 2/13, 2/20, 2/27, 3/6). STUDENTS WHO HAVE TAKEN CMPSCI 230 ARE NOT ELIGIBLE FOR THIS COURSE. CS MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>INSTRUCTOR CONSENT TO ADD BEGINNING 1/30. INSTRUCTOR CONSENT TO DROP OR WITHDRAW THROUGH 2/5. COURSE RUNS FOR 6 WEEKS (1/26, 1/28, 2/2, 2/4, 2/9, 2/11, 2/17-MONDAY CLASS SCHEDULE, 2/18, 2/23, 2/25, 3/2, 3/4). CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>STUDENTS WHO ARE ENROLLED IN OR HAVE TAKEN CMPSCI 326 ARE NOT ELIGIBLE FOR THIS COURSE. INSTRUCTOR CONSENT TO ADD BEGINNING 1/30. INSTRUCTOR CONSENT TO DROP OR WITHDRAW THROUGH 2/5. COURSE RUNS FOR 6 WEEKS (1/28/15-3/5/15: LECT 01: 1/28, 2/4, 2/11, 2/18, 2/25, 3/4; LECT 02: 1/29, 2/5, 2/12, 2/19, 2/26, 3/5). CS MINORS AND APPLICANTS-ON-CONTRACT NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>STUDENTS ARE STRONGLY ADVISED NOT TO TAKE 220/230 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p> <p>STUDENTS ARE STRONGLY ADVISED NOT TO TAKE 220/230 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</p>
<div style="border: 1px solid black; padding: 5px;"> <b>119</b> Verts                      INTRO PROGRAMMING                 </div>	NONE	NON-CMPSCI MAJORS ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>121</b> Anderson                      PRBLM SLVNG W/CMPTRS                 </div>	NONE	UNDERGRADUATE STUDENTS ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>145</b> Verts                      REP,STORNG&amp;RET INFO                 </div>	R1.	NON-CMPSCI MAJORS ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>187</b> Liberatore                      PGMG W/DATA STRCTRS                 </div>	CMPSCI 121 WITH A GRADE OF 'C' OR BETTER.	UNDERGRADUATE CMPSCI MAJORS ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>197B</b> Anderson                      ST-ADV ASSIGN FOR 121                 </div>	NONE	UNDERGRADUATES ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>197C</b> Scarrci                      ST-PGMG IN C                 </div>	CMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>197U</b> DeVaughn-Brown                      ST-HANDS-ON INTRO UNIX                 </div>	NONE	CMPSCI MAJORS ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>197WP</b> Scarrci                      ST-INTRO TO HTML/CSS                 </div>	CMPSCI 121 WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>220</b> Richards                      PGMG METHODOLOGY                 </div>	CMPSCI 187 (OR E&C-ENG 242) WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	
<div style="border: 1px solid black; padding: 5px;"> <b>230</b> Moss, Richards                      CMPTR SYS PRINC                 </div>	CMPSCI 187 (OR E&C-ENG 242) WITH GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	

## SPIRE REGISTRATION INFORMATION for Spring 2015

		<u>CATALOG REQUISITE (PRE-REQ CHECK):</u>	<u>CLASS ASSOCIATED REQ (ELIG RESTRICTIONS):</u>	<u>CLASS NOTES/COMMENTS:</u> <b>INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</b>
240	McGregor	CMPSCI 187 (OR E&C-ENG 242) AND MATH 132 WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	STUDENTS ARE ADVISED NOT TO TAKE 240/250 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
RSNG UNDER UNCERTAINTY				
250	Barrington	MATH 132 AND CMPSCI 187 (OR E&C-ENG 242) WITH GRADE OF 'C' OR BETTER.	CMPSCI, MATH, AND CSENG MAJORS ONLY.	STUDENTS WHO HAVE COMPLETED CMPSCI 187 OR EQUIVALENT WITH A GRADE OF 'C' OR BETTER AND HAVE A CO-REQUISITE OF MATH 132 MAY REQUEST OVERRIDE (IF SEATS AVAILABLE). STUDENTS ARE ADVISED NOT TO TAKE 240/250 IN THE SAME SEMESTER. DUE TO ENROLLMENT PRESSURE, THE UPC RESERVES THE RIGHT TO DROP STUDENTS ENROLLED IN BOTH FROM EITHER COURSE WHEN NECESSARY. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
INTRD TO CMPPTN				
305	Trim	ENGLWRIT 112 WITH GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CMPSCI MAJORS ONLY.	SATISFIES JUNIOR YEAR WRITING REQUIREMENT. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
SOC ISS IN CMPTNG				
311	Sitaraman	CMPSCI 250 (OR MATH 455) WITH GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
INTRD TO ALGRTHMS				
320	Brun	CMPSCI 220 WITH GRADE OF 'C' OR BETTER.	SOPHOMORE, JUNIOR AND SENIOR CMPSCI MAJORS ONLY.	SATISFIES INTEGRATIVE EXPERIENCE REQUIREMENT FOR CMPSCI MAJORS. CSENG MAJORS WILL BE ADMITTED ONLY IF SPACE ALLOWS. MEETS WITH CMPSCI 529. AN OPTIONAL HONORS COLLOQUIUM MAY BE AVAILABLE FOR THIS COURSE. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
INTRD TO SFTWR ENGG				
326	Richards	CMPSCI 220 (OR CMPSCI 230) WITH A GRADE OF 'C' OR BETTER.	SOPHOMORE, JUNIOR AND SENIOR CMPSCI MAJORS ONLY.	SATISFIES INTEGRATIVE EXPERIENCE REQUIREMENT FOR CMPSCI MAJORS. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
WEB PGMG				
348	Jensen	CMPSCI 187 (OR E&C-ENG 242), CMPSCI 240, AND CMPSCI 250 (OR MATH 455), ALL WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
INTRO KNWLDG DISCVRY				
365	Levine	CMPSCI 220 (OR CMPSCI 230) WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
DIGITAL FORENSICS				
377	Ganesan	CMPSCI 230 WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	DISCUSSION MEETS AFTER FIRST LECTURE. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION (INSTRUCTOR PERMISSION IF NOT MEETING PREREQUISITE) MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
OPRTNG SYSS				
383	Siegelmann	CMPSCI 220 (OR CMPSCI 230) AND CMPSCI 240, BOTH WITH GRADE OF 'C' OR BETTER.	JUNIOR AND SENIOR CMPSCI MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
ARTFCL INTLLGNC				
390CG	Wang	CMPSCI 187 (OR E&C-ENG 242) AND CMPSCI 190DM (OR MATH 235 OR CMPSCI 240) BOTH WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	STUDENTS WHO HAVE TAKEN CMPSCI 473 ARE NOT ELIGIBLE. CS MINORS, APPLICANTS-ON-CONTRACT, INFORMATICS MAJORS (BDIC) AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
INTRO TO CMPTR GRPHCS				
397G	Newman	CMPSCI 190IN OR CMPSCI 190DM WITH A GRADE OF 'C' OR BETTER.	UNDERGRADUATE STUDENTS ONLY.	NOT FOR CS MAJOR/MINOR REQUIREMENTS. STUDENTS NOT MEETING PREREQUISITES WHO ARE INTERESTED IN THE INFORMATICS PROGRAM (BDIC) OR COMBINING ART WITH COMPUTING, MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
ST-CREATIVE GAME DESIGN&DEV				

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397J ST-INTRO JAVASCRIPT GAME DEV Tincknell	CMPSCI 326 WITH A GRADE OF 'C' OR BETTER.	UNDERGRADUATE STUDENTS ONLY.	<b>INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</b> DOES NOT SATISFY CS MAJOR/MINOR REQUIREMENTS. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
445 INFO SYSS Diao	CMPSCI 220 (OR CMPSCI 230) AND CMPSCI 311, BOTH WITH GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	STUDENTS WHO ARE NOT CMPSCI MAJORS BUT HAVE SUFFICIENT PROGRAMMING EXPERIENCE, CS GRADUATE STUDENTS, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
446 SEARCH ENGINES Allan	CMPSCI 240 OR CMPSCI 383 WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
453 CMPTR NTWKS Ridgway	CMPSCI 230 (OR CMPSCI 377) WITH A GRADE OF 'C' OR BETTER.	CMPSCI MAJORS ONLY.	STUDENTS WHO ARE NOT CMPSCI MAJORS BUT HAVE SUFFICIENT PROGRAMMING EXPERIENCE, CS GRADUATE STUDENTS, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
491G S-CMPTR NTWRKG LAB Venkataramani	CMPSCI 453 WITH A GRADE OF 'C' OR BETTER.	UNDERGRADUATE STUDENTS ONLY.	STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
496S INDSTU-SCALABLE WEB SYSTEMS Richards	CMPSCI 230 (OR CMPSCI 220) AND CMPSCI 326, BOTH WITH 'B' OR BETTER.	CMPSCI MAJORS ONLY.	<i>ENROLLMENT IN CMPSCI 497S IS REQUIRED. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</i>
497S ST-SCALABLE WEB SYSTEMS Richards	CMPSCI 230 (OR CMPSCI 220) AND CMPSCI 326, BOTH WITH 'B' OR BETTER.	CMPSCI MAJORS ONLY.	<i>STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</i>
501 FRML LANG THRY Barrington	UNDERGRADUATES: CMPSCI 311 WITH A GRADE OF 'C' OR BETTER.	Lect 01: UNDERGRADUATE STUDENTS ONLY. Lect 02: MS-CMPSC STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
520 S/W ENG: SYNTHESIS Bendraou	UNDERGRADUATES MUST HAVE COMPLETED CMPSCI 320 WITH A GRADE OF 'C' OR BETTER.	Lect 01: JUNIOR AND SENIOR CMPSCI MAJORS ONLY. Lect 02: MS-CMPSC STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. MEETS WITH CMPSCI 620. CS MINORS, APPLICANTS-ON-CONTRACT, AND OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
529 S/W ENG PROJ MGMT Brun	CMPSCI 320 WITH A GRADE OF 'A-' OR BETTER.	UNDERGRADUATE STUDENTS ONLY.	MEETS WITH CMPSCI 320. STUDENTS NEEDING INSTRUCTOR PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
589 MACH LRNG Marlin	UNDERGRADUATES: CMPSCI 383 AND MATH 235 WITH A GRADE OF 'C' OR BETTER.	Lect 01: CMPSCI MAJORS ONLY. Lect 02: MS-CMPSC GRADUATE STUDENTS ONLY.	LECT 01 FOR UNDERGRADS; LECT 02 FOR GRADS. STUDENTS WHO HAVE TAKEN 689 ARE NOT ELIGIBLE TO TAKE THIS COURSE. <i>STUDENTS MAY REQUEST TO TAKE MATH 235 LINEAR ALGEBRA AS A CO-REQUISITE WITH INSTRUCTOR PERMISSION.</i> STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
597CR ST-CRYPTO ENGINEERING Paar	CMPSCI 311 WITH A GRADE OF 'C' OR BETTER.	UNDERGRADUATE CMPSCI MAJORS ONLY.	<i>CROSS-LISTED WITH E&amp;C-ENG 597CR. STUDENTS WHO HAVE TAKEN CMPSCI 466 ARE NOT ELIGIBLE TO TAKE THIS COURSE. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a>.</i>
601 CMPTN THRY Immerman	NONE	GRADUATE CMPSCI STUDENTS ONLY.	PREREQUISITES: AN UNDERGRADUATE COURSE IN AUTOMATA THEORY AND FORMAL LANGUAGES SUCH AS CMPSCI 501 OR PERMISSION OF INSTRUCTOR. UNDERGRADUATES WITH PERMISSION OF INSTRUCTOR. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
603 ROBOTICS Gruppen	NONE	GRADUATE CMPSCI STUDENTS ONLY.	UNDERGRADUATES WITH PERMISSION OF INSTRUCTOR. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .

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617	Streinu	CMPSCI 611 OR CMPSCI 601.	GRADUATE CMPSCI STUDENTS ONLY.	<b>INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.</b> MATHEMATICAL MATURITY REQUIRED. PERMISSION OF INSTRUCTOR TO OVERRIDE PREREQUISITE OR ELIGIBILITY. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
CMPTNL GEOMETRY				
620	Bendraou	NONE	SENIOR AND GRADUATE CMPSCI STUDENTS ONLY.	MEETS WITH CMPSCI 520. PREREQUISITE OF CMPSCI 320 WITH A GRADE OF 'C' OR BETTER REQUIRED FOR SENIORS, OR PERMISSION OF INSTRUCTOR. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
ADV S/WENG:SYNTHESIS				
645	Meliou	NONE	GRADUATE CMPSCI STUDENTS ONLY.	STUDENTS SHOULD HAVE TAKEN AN UNDERGRADUATE LEVEL COURSE ON OPERATING SYSTEMS OR DATABASES. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
DB DSGN & IMPLMNTN				
660	Houmansadr	NONE	GRADUATE CMPSCI STUDENTS ONLY.	PREREQUISITE OF CMPSCI 460 OR CMPSCI 466, OR EQUIVALENT. UNDERGRADUATE MAJORS AND NON-CMPSCI STUDENTS BY PERMISSION OF INSTRUCTOR. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
ADV INFO ASSURANCE				
677	Shenoy	NONE	GRADUATE CMPSCI STUDENTS ONLY.	LECT 02 IS ON-LINE. SENIOR CMPSCI MAJORS WITH PERMISSION OF INSTRUCTOR; BACKGROUND IN UNDERGRAD OS IS HELPFUL. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
OPRTNG SYSS				
688	Sheldon	NONE	GRADUATE CMPSCI STUDENTS ONLY.	COURSE NUMBER CHANGED FROM CMPSCI 691GM TO CMPSCI 688. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
GRAPHICAL MODELS				
689	Maji	NONE	GRADUATE CMPSCI STUDENTS ONLY.	PERMISSION OF INSTRUCTOR FOR CMPSCI MAJORS MEETING THE PREREQUISITE OF MATH 132 AND MATH 235, AND EITHER STATISTCS 515 OR 607 OR 608. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
MACH LRNG				
690AA	Saha	NONE	GRADUATE CMPSCI STUDENTS ONLY.	STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
APPRX ALGRTHM&CMBNTRL				
691DA	Saha	NONE	GRADUATE CMPSCI STUDENTS ONLY.	STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
S-BIG DATA ALGRTHMS & APPLICS				
691DD	Berger	NONE	GRADUATE CMPSCI STUDENTS ONLY.	FIRST YEAR GRADUATE STUDENTS WISHING TO TAKE THIS COURSE SHOULD CONTACT INSTRUCTOR. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
S-RSRCH MTHDS-EMPRCL CS				
691MA	O'Connor	NONE	PHD-CMPSC STUDENTS ONLY.	LECT 01=3 CREDITS; LECT 02=1 CREDIT. EXPERIENCE IN MACHINE LEARNING, DATA ANALYSIS, AND QUANTITATIVE SOCIAL SCIENCES (ESP. POLITICAL SCIENCE, SOCIOLOGY) WILL BE HELPFUL. STRONGLY SUGGEST CMPSCI 348, 589 OR 689 SIMULTANEOUSLY. CS UNDERGRADS, MS STUDENTS, OR STUDENTS FROM OTHER DEPARTMENTS REQUIRE INSTRUCTOR PERMISSION. STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">HTTPS://WWW.CS.UMASS.EDU/OVERRIDES</a> .
S-SOC MEDIA & CMPTL SOC SCI				
701	STAFF	NONE	DOCTORAL, MASTERS STUDENTS ONLY.	COMPLETE SPECIAL FORM IN CS MAIN OFFICE TO ADD COURSE (SEE GRADUATE PROGRAM MANAGER).
ADV TOPICS IN CMPSCI				
891M	McGregor	NONE	DOCTORAL, MASTERS MAJORS ONLY.	MAY BE REPEATED FOR CREDIT UP TO 6 TIMES. OTHERS NOT MEETING ELIGIBILITY, OR STUDENTS NEEDING SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
THRY OF CMPTN				
899	STAFF	NONE	NONE	COURSE OPEN ONLY TO CS GRADUATE STUDENTS WHO HAVE PASSED PORTFOLIO. REQUEST OVERRIDES VIA THE ON-LINE FORM: <a href="https://www.cs.umass.edu/overrides">https://www.cs.umass.edu/overrides</a> .
PH D DISSERTATION				

**SPIRE REGISTRATION INFORMATION for Spring 2015**

**CATALOG REQUISITE (PRE-REQ CHECK):**

**H320** Brun  
HONORS COLLOQ - 320

NONE

**H589** Marlin  
HONORS COLLOQ - 589

NONE

**CLASS ASSOCIATED REQ (ELIG RESTRICTIONS):**

OPEN TO SENIOR, JUNIOR, AND SOPHOMORE  
COMMONWEALTH HONORS COLLEGE STUDENTS ONLY.

*OPEN TO SENIOR, JUNIOR, AND SOPHOMORE  
COMMONWEALTH HONORS COLLEGE STUDENTS ONLY.*

**CLASS NOTES/COMMENTS:**

***INFORMATIONAL ONLY - DOES NOT AFFECT SPIRE ENROLLMENT.***

STUDENTS MUST BE ENROLLED IN CMPSCI 320. STUDENTS NEEDING  
SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE  
FORM: <https://www.cs.umass.edu/overrides>.

*STUDENTS MUST BE ENROLLED IN CMPSCI 589. STUDENTS NEEDING  
SPECIAL PERMISSION MUST REQUEST OVERRIDES VIA THE ON-LINE  
FORM: <https://www.cs.umass.edu/overrides>.*