



## Computer Scien

### Academic

### Course Listin

Please view the following document with last year's courses:

[2018-19 Course Listing](#)

[2019-20-Course-Listing](#)

As of Fall 2019, EECS have been separated into two departments - ECE & CS. Here is the [ECE Course Listing](https://www.mccormick.northwestern.edu/electrical-computer/courses/) (https://www.mccormick.northwestern.edu/electrical-computer/courses/) or [CAESAR catalogue](https://caesar.northwestern.edu/) (https://caesar.northwestern.edu/).

**To request permission number email** - [CS course Permission](mailto:permissions@cs.northwestern.edu) (mailto:permissions@cs.northwestern.edu) or [ECE course Permission](#). (mailto:eeecspermissions@northwestern.edu)

#### FILTER I

SEARCH

Course	Course Title	Fall 2020	Winter 2021	Spring 2021	Summer 2021
<a href="#">COMP_SCI 110</a>	<a href="#">Intro to Computer</a>	10:20-11:10	10-10:50 MWF	9:30 -10:50 TuTh	

Course	Course Title	Fall 2020	Winter 2021	Spring 2021	Summer 2021
(descriptions/110.html)	<a href="#">Programming</a> (descriptions/110.html)	MWF Van Wart	Van Wart	Kuzmanovic	
<a href="#">COMP_SCI 111</a> (descriptions/111.html)	<a href="#">Fundamentals of Computer Programming I</a> (descriptions/111.html)	1:50-2:40 MWF Horswill	11-11:50 MWF Sood	1-1:50 MWF Sood	
<a href="#">COMP_SCI 130</a> (descriptions/130.html)	<a href="#">Tools and Technology of the World Wide Web</a> (descriptions/130.html)			4-4:50 MWF Van Wart	
<a href="#">COMP_SCI 150</a> (descriptions/150.html)	<a href="#">Fundamentals of Computer Programming 1.5</a> (descriptions/150.html)	11:30-12:20 MWF Sood & Compton	11-11:50 MWF Compton	11-11:50 MWF Compton	
<a href="#">COMP_ENG 203</a> (descriptions/203.html)	<a href="#">Intro to Computer Engineering</a> (descriptions/203.html)	MTuWF 11:30-12:20 Joseph	MTuWF 11-11:50 C.H. Wu	MTuWF 11-11:50 Zhou	
<a href="#">COMP_ENG 205</a> (descriptions/205.html)	<a href="#">Fundamentals of Computer System Software</a> (descriptions/205.html)		MTuWF 2-2:50 Joseph		
<a href="#">COMP_SCI 211</a> (descriptions/211.html)	<a href="#">Fundamentals of Computer Programming II</a> (descriptions/211.html)	9:40-11 TuTh Tov	2-3:20 TuTh Tov & Ghena	2-3:20 TuTh Tov	

Course	Course Title	Fall 2020	Winter 2021	Spring 2021	Summer 2021
<b>COMP_SCI 212</b> (descriptions/212.html)	<b>Mathematical Foundations of Computer Science</b> (descriptions/212.html)	4:10-5 MWF Rao	4-4:50 MWF Vijayaraghavan	3-3:50 MWF Rao	
<b>COMP_SCI 213</b> (descriptions/213-20.html)	<b>Intro to Computer Systems</b> (descriptions/213-20.html)	2:40-4 TuTh Dinda & Ghena	12:30-1:50 TuTh St-Amour	2-3:20 TuTh Ghena	
<b>COMP_SCI 214</b> (descriptions/214.html)	<b>Data Structures and Data Management</b> (descriptions/214.html)	4:20-5:40 TuTh St-Amour	9:30-10:50 TuTh Tov	3:30-4:50 TuTh St-Amour	3:30-4:50 TuTh Rasmussen
<b>COMP_SCI 217</b> (descriptions/217.html)	<b>Data Management and Information Processing</b> (descriptions/217.html)	9:40-11 TuTh Hu		9:30-10:50 TuTh Hu	
<b>COMP_SCI 230</b> (descriptions/230.html)	<b>Programming for Engineers</b> (descriptions/230.html)		2 -3:20 TuTh Hu		
<b>COMP_SCI 295</b> (descriptions/295-1.html)	<b>Intensive Program Design</b> (descriptions/295-1.html)	9:10- 11:10 MW Tov / Findler			
<b>COMP_SCI 295</b> (descriptions/295-2.html)	<b>Introduction to Law and Digital Technologies</b> (descriptions/295-2.html)			5:30 - 8:20 W Linna & Villasenor	

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<a href="#">COMP_SCI 295, 396</a> (descriptions/295-396.html)	<a href="#">AI and Experimental Narrative</a> (descriptions/295-396.html)			3:30 -4:50 TuTh Horswill	
<a href="#">COMP_SCI 301</a> (descriptions/301.html)	<a href="#">Introduction to Robotics Laboratory</a> (descriptions/301.html)			2-3:20 TuTh Argall	
<a href="#">COMP_ENG 303</a> (descriptions/303.html)	<a href="#">Advanced Digital Design</a> (descriptions/303.html)	TuTh 4:20-5:40 S. Memik		TuTh 3:30-4:50 Gu	
<a href="#">COMP_SCI 310</a> (descriptions/310.html)	<a href="#">Scalable Software Architectures</a> (descriptions/310.html)		10-10:50 MWF Tarzia		
<a href="#">COMP_SCI 313, 413</a> (descriptions/313-413.html)	<a href="#">Tangible Interaction Design and Learning</a> (descriptions/313-413.html)			3:30-4:50 MW Horn	
<a href="#">COMP_SCI 314</a> (descriptions/314.html)	<a href="#">Technology &amp; Human Interaction</a> (descriptions/314.html)		9:30-10:50 TuTh Gergle		
<a href="#">COMP_SCI 315, 497</a> (descriptions/315-497.html)	<a href="#">Design, Technology, and Research</a> (descriptions/315-497.html)	12:40-3:50 F Zhang	12-3 F Zhang	12-2:50 F Zhang	

Course	Course Title	Fall 2020	Winter 2021	Spring 2021	Summer 2021
<b>COMP_SCI 321</b> (descriptions/321.html)	<b>Programming Languages</b> (descriptions/321.html)	11:20-12:40 TuTh St-Amour		11-12:20 TuTh St-Amour	
<b>COMP_SCI 322</b> (descriptions/322.html)	<b>Compiler Construction</b> (descriptions/322.html)		5 -6:20 TuTh Campanoni		
<b>COMP_SCI 323</b> (descriptions/323.html)	<b>Code Analysis and Transformation</b> (descriptions/323.html)	6-7:20 TuTh Campanoni			
<b>COMP_SCI 325-1</b> (descriptions/325.html)	<b>Artificial Intelligence Programming</b> (descriptions/325.html)	11:30-12:20 MWF Riesbeck			
<b>COMP_ENG 329</b> (descriptions/329.html)	<b>The Art of Multicore Concurrent Programming</b> (descriptions/329.html)			TuTh 2:00-3:20 Zhou	
<b>COMP_SCI 330</b> (descriptions/330.html)	<b>Human Computer Interaction</b> (descriptions/330.html)	11:30-12:20 MWF Worsley			
<b>COMP_SCI 331</b> (descriptions/331.html)	<b>Introduction to Computational Photography</b> (descriptions/331.html)	1-2:20 TuTh Cossairt & Willomitzer			9-10:30 MW Schiffers

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<a href="#">COMP_SCI 335</a> (descriptions/335.html)	<a href="#">Intro to the Theory of Computation</a> (descriptions/335.html)	2:40-4 TuTh Hartline & Vijayaraghavan			
<a href="#">COMP_SCI 336</a> (descriptions/336.html)	<a href="#">Design &amp; Analysis of Algorithms</a> (descriptions/336.html)	1-2:20 TuTh Khuller	9:30-10:50 TuTh Makarychev	9:30-10:50 TuTh Hartline	
<a href="#">COMP_SCI 337</a> (descriptions/337.html)	<a href="#">Intro to Natural Language Processing</a> (descriptions/337.html)		3:30-4:50 MW Birnbaum		
<a href="#">COMP_SCI 338</a> (descriptions/338-1.html)	<a href="#">Practicum in Intelligent Information Systems</a> (descriptions/338-1.html)	6-7:20 TuTh Hammond	5-6:20 MW Hammond	5-6:20 TuTh Hammond	
<a href="#">COMP_SCI 338</a> (descriptions/338-2.html)	<a href="#">Practicum in Intelligent Information Systems</a> (descriptions/338-2.html)			M 6-8:50 Birnbaum	
<a href="#">COMP_SCI 339</a> (descriptions/339.html)	<a href="#">Intro to Databases</a> (descriptions/339.html)		3:30-4:50 TuTh Rogers	3:30-4:50 TuTh Rogers	
<a href="#">COMP_SCI 340</a> (descriptions/340.html)	<a href="#">Introduction to Computer Networking</a> (descriptions/340.html)	1:50-2:40 MWF Tarzia	12:30-1:50 TuTh Kuzmanovic		

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<a href="#">COMP_SCI 343</a> (descriptions/343.html)	<a href="#">Operating Systems</a> (descriptions/343.html)	11:20-12:40 TuTh Ghena	11-12:20 TuTh Dinda		
<a href="#">COMP_SCI 344</a> (descriptions/344.html)	<a href="#">Design of Problem Solvers</a> (descriptions/344.html)		1-2:20 TuTh Forbus		
<a href="#">COMP_SCI 345</a> (descriptions/345.html)	<a href="#">Distributed Systems</a> (descriptions/345.html)			9-10:20 TuTh Bustamante	
<a href="#">COMP_ENG 346</a> (descriptions/346.html)	<a href="#">Microprocessor System Design</a> (descriptions/346.html)			MTWF 10-10:50 Ghena	
<a href="#">COMP_SCI 348</a> (descriptions/348.html)	<a href="#">Intro to Artificial Intelligence</a> (descriptions/348.html)	4:20-5:40 MW Birnbaum	2-3:20 MW Alam	12:30-1:50 TuTh Rubenstein	
<a href="#">COMP_SCI 349</a> (descriptions/349.html)	<a href="#">Machine Learning</a> (descriptions/349.html)	9:10-10 MWF Alam	11-12:20 MW Demeter	3:30-4:50 MW Cossairt	2-3:20 TuTh Alam
<a href="#">COMP_SCI 351-1</a> (descriptions/351-1.html)	<a href="#">Intro to Computer Graphics</a> (descriptions/351-1.html)	10:20-11:10 MWF Tumblin			

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<a href="#">COMP_SCI 351-2</a> (descriptions/351-2.html)	<a href="#">Intermediate Computer Graphics</a> (descriptions/351-2.html)		9:30-10:50 TuTh Tumblin		
<a href="#">COMP_SCI 352</a> (descriptions/352.html)	<a href="#">Machine Perception of Music &amp; Audio</a> (descriptions/352.html)		6:30-7:50 TuTh Pardo		
<a href="#">COMP_SCI 354</a> (descriptions/354.html)	<a href="#">Computer System Security</a> (descriptions/354.html)		9:30-10:50 TuTh Chen		
<a href="#">COMP_SCI 355</a> (descriptions/355.html)	<a href="#">Digital Forensics and Incident Response</a> (descriptions/355.html)			9:30-10:50 MW Chen	
<a href="#">COMP_ENG 358</a> (descriptions/358.html)	<a href="#">Intro to Parallel Computing</a> (descriptions/358.html)				
<a href="#">COMP_ENG 361</a> (descriptions/361.html)	<a href="#">Computer Architecture I</a> (descriptions/361.html)	TuTh 1:00-2:20 G. Memik			
<a href="#">COMP_ENG 362</a> (descriptions/362.html)	<a href="#">Computer Architecture Project</a> (descriptions/362.html)		TuTh 11-12:20 G. Memik		



Course	Course Title	Fall 2020	Winter 2021	Spring 2021	Summer 2021
<a href="#">COMP_ENG 365, 465</a> (descriptions/365-465.html)	<a href="#">Internet-of-Things Sensors, Systems, and Applications</a> (descriptions/365-465.html)	TuTh 1-2:20 Hester			
<a href="#">COMP_ENG 368, 468</a> (descriptions/368-468.html)	<a href="#">Programming Massively Parallel Processors with CUDA</a> (descriptions/368-468.html)	TuTh 2:40-4:00 Hardavellas			
<a href="#">COMP_SCI 371</a> (descriptions/371.html)	<a href="#">Knowledge Representation and Reasoning</a> (descriptions/371.html)		2-3:20 TuTh Alam		
<a href="#">COMP_SCI 372, 472</a> (descriptions/372-472.html)	<a href="#">Designing and Constructing Models with Multi-Agent Languages</a> (descriptions/372-472.html)			2-3:20 MW Wilensky	
<a href="#">COMP_SCI 376</a> (descriptions/376.html)	<a href="#">Game Design and Development</a> (descriptions/376.html)	4:10-5 MWF Horswill & Compton			
<a href="#">COMP_SCI 377</a> (descriptions/377.html)	<a href="#">Game Development Studio</a> (descriptions/377.html)		6-7:20 MW Zubek		
<a href="#">COMP_SCI 393</a> (descriptions/393.html)	<a href="#">Software Construction</a> (descriptions/393.html)			10-10:50 MWF Dimoulas OR	

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				11-11:50 MWF Findler	
<b>COMP_SCI 394</b> (descriptions/394.html)	<b>Agile Software Development</b> (descriptions/394.html)		11-12:20 TuTh Riesbeck	11-12:20 TuTh Riesbeck	
<b>COMP_SCI 396</b> (descriptions/396-1.html)	<b>Introduction to Cryptography</b> (descriptions/396-1.html)	9:40-11 TuTh Wang			
<b>COMP_SCI 396, 295</b> (descriptions/396-295.html)	<b>AI and Experimental Narrative</b> (descriptions/396-295.html)			3:30 -4:50 TuTh Horswill	
<b>COMP_SCI 396</b> (descriptions/396-3.html)	<b>Introduction to the Data Science Pipeline</b> (descriptions/396-3.html)		9:30 - 10:50 TuTh Hu		10 -11:40 TuTh Eight-week format Hu
<b>COMP_SCI 396</b> (descriptions/396-4.html)	<b>Computing, Ethics, and Society</b> (descriptions/396-4.html)	1-2:20 TuTh Van Wart & Vakil	2-3:20 TuTh Van Wart		
<b>COMP_SCI 396, 496</b> (descriptions/396-496-10.html)	<b>Programming Languages Seminar</b> (descriptions/396-496-10.html)	1-2:20 TuTh Dimoulas			

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<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-14.html)	<a href="#">Human-Centered Machine Learning</a> (descriptions/396-496-14.html)	2:40-4 TuTh Chancellor			
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-15.html)	<a href="#">Dynamics of Programming Languages</a> (descriptions/396-496-15.html)		2 -3:20 TuTh Dimoulas		
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-16.html)	<a href="#">Advanced Topics in Modern Cryptography</a> (descriptions/396-496-16.html)		9:30-10:50 TuTh Wang		
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-17.html)	<a href="#">Statistical Machine Learning</a> (descriptions/396-496-17.html)		6 -8:50 Tu Liu		
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-18.html)	<a href="#">Topics in Software Engineering</a> (descriptions/396-496-18.html)		3:30-4:50 TuTh St-Amour		
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-2.html)	<a href="#">Interactive Information Visualization</a> (descriptions/396-496-2.html)		12-1:20 MW Hullman		
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-21.html)	<a href="#">Approximation Algorithms</a> (descriptions/396-496-21.html)		11-12:20 TuTh Makarychev		

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<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-22.html)	<a href="#">Analysis of Boolean Functions</a> (descriptions/396-496-22.html)		2-3:20 TuTh Rao		
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-4.html)	<a href="#">Deep Learning</a> (descriptions/396-496-4.html)	4:20 - 5:40 TuTh Pardo			
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-6.html)	<a href="#">Data Science Seminar</a> (descriptions/396-496-6.html)	4:20-5:40 TuTh Rogers			
<a href="#">COMP_SCI 396, 496</a> (descriptions/396-496-9.html)	<a href="#">Systems Programming in Rust</a> (descriptions/396-496-9.html)			11-12:20 TuTh Tov	
<a href="#">COMP_SCI 396</a> (descriptions/396-5.html)	<a href="#">Generative Methods</a> (descriptions/396-5.html)		1-1:50 MWF Compton	1-1:50 MWF Compton	
<a href="#">COMP_SCI 396</a> (descriptions/396-6.html)	<a href="#">Intro to Web Development</a> (descriptions/396-6.html)			2-2:50 MWF Van Wart	
<a href="#">COMP_SCI 396</a> (descriptions/396-7.html)	<a href="#">The Economics of Networks</a> (descriptions/396-7.html)			2-3:20 TuTh Golub	
<a href="#">COMP_SCI 397</a> (descriptions/397-1.html)	<a href="#">Seminar in Statistical Language Modeling</a> (descriptions/397-1.html)			11-12:20 TuTh Demeter	

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<a href="#">COMP_SCI 397</a> (descriptions/397-2.html)	<a href="#">Computer Science Education</a> (descriptions/397-2.html)		6-9 M Horn		
<a href="#">COMP_SCI 397</a> (descriptions/397-3.html)	<a href="#">HCI Studio</a> (descriptions/397-3.html)		1-3 M Zhang		
<a href="#">COMP_SCI 397</a> (descriptions/397-4.html)	<a href="#">HCI Studio</a> (descriptions/397-4.html)			3:30 - 4:50 TuTh O'Rourke	
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-11.html)	<a href="#">Internet-scale Experimentation</a> (descriptions/397-497-11.html)		9:30-10:50 MW Bustamante		
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-12.html)	<a href="#">Selected Topics in Computer Networks</a> (descriptions/397-497-12.html)			11-12:20 TuTh Kuzmanovic	
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-14.html)	<a href="#">Wireless and Mobile Health (mHealth)</a> (descriptions/397-497-14.html)		5-6:20 TuTh Alshurafa & Alharbi		
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-15.html)	<a href="#">Innovation Lab: Building Technologies for the Law</a> (descriptions/397-497-15.html)		Tu 2:30-5:30 Hammond & Linna Jr.		

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<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-2.html)	<a href="#">Advanced Topics in Compilers</a> (descriptions/397-497-2.html)			5-6:20 TuTh Campanoni	
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-20.html)	<a href="#">Wireless Protocols for the Internet of Things</a> (descriptions/397-497-20.html)		1:1:50 MWF Ghena		
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-21.html)	<a href="#">Advanced Graphics Seminar</a> (descriptions/397-497-21.html)			MF 11 - 12:20 Tumblin	
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-3.html)	<a href="#">Sports, Technology and Learning</a> (descriptions/397-497-3.html)	9:40-11 TuTh Worsley			
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-4.html)	<a href="#">(Special Topics) Innovation in Journalism &amp; Technology</a> (descriptions/397-497-4.html)	2:40-4 TuTh Hammond & Wise	2-3:50 TuTh Wise	2-3:50 TuTh Hammond & Wise	
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-5.html)	<a href="#">Rapid Prototyping for Software Innovation</a> (descriptions/397-497-5.html)	1:50-2:40 MWF Riesbeck			
<a href="#">COMP_SCI 397, 497</a> (descriptions/397-497-9.html)	<a href="#">Inclusive Making</a> (descriptions/397-497-9.html)		9:30-12:20 Tu Worsley		

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<a href="#">COMP_SCI 409</a> ( <a href="#">descriptions/409.html</a> )	<a href="#">Swarms and Multi-Robot Systems</a> ( <a href="#">descriptions/409.html</a> )	2:40-4 TuTh Rubenstein			
<a href="#">COMP_SCI 446</a> ( <a href="#">descriptions/446.html</a> )	<a href="#">Kernel and Other Low-level Software Development</a> ( <a href="#">descriptions/446.html</a> )			11-12:20 MW Dinda	
<a href="#">COMP_SCI 450</a> ( <a href="#">descriptions/450.html</a> )	<a href="#">Internet Security</a> ( <a href="#">descriptions/450.html</a> )		2-3:20 TuTh Chen		
<a href="#">COMP_ENG 452</a> ( <a href="#">descriptions/452.html</a> )	<a href="#">Advanced Computer Architecture I</a> ( <a href="#">descriptions/452.html</a> )		MW 12:30-1:50 G. Memik		
<a href="#">COMP_ENG 453</a> ( <a href="#">descriptions/453.html</a> )	<a href="#">Parallel Architectures</a> ( <a href="#">descriptions/453.html</a> )			MW 3:30-4:50 Joseph	
<a href="#">COMP_ENG 456</a> ( <a href="#">descriptions/456.html</a> )	<a href="#">Modern Topics in Computer Architecture</a> ( <a href="#">descriptions/456.html</a> )				
<a href="#">COMP_ENG 459</a> ( <a href="#">descriptions/459.html</a> )	<a href="#">VLSI Algorithmics</a> ( <a href="#">descriptions/459.html</a> )		MW 2-3:20 S. Memik		

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<b>COMP_SCI 473-1</b> (descriptions/473-1.html)	<b>NUvention: Web + Media (ENTREP 473)</b> (descriptions/473-1.html)		1:30 - 4:30 Tu Riesbeck/Warren		
<b>COMP_SCI 473-2</b> (descriptions/473-2.html)	<b>NUvention: Web + Media (ENTREP 473)</b> (descriptions/473-2.html)			1:30-4:30 Tu Riesbeck/Gordon /Warren	
<b>COMP_SCI 496</b> (descriptions/496-14.html)	<b>Interactive Systems for Health Behavior Change</b> (descriptions/496-14.html)			2-4:50 M Jacobs	
<b>COMP_SCI 496</b> (descriptions/496-15.html)	<b>Introduction to Graduate Studies in Computer Science</b> (descriptions/496-15.html)	10:20-11:10 MWF Bustamante			
<b>COMP_SCI 496</b> (descriptions/496-17.html)	<b>Programming Languages Seminar</b> (descriptions/496-17.html)		12:30-1:50 TuTh Findler		
<b>COMP_SCI 496</b> (descriptions/496-19.html)	<b>Theoretical Foundations of Data Science</b> (descriptions/496-19.html)			9:30-10:50 MW Vijayaraghavan	
<b>COMP_SCI 496</b> (descriptions/496-2.html)	<b>Graduate Algorithms</b> (descriptions/496-2.html)	11:20-12:40 TuTh			



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		Makarychev			
<b>COMP_SCI 496</b> (descriptions/496-20.html)	<b>Engineering Modern Cryptographic Protocols</b> (descriptions/496-20.html)			2-4:50 F Wang	
<b>COMP_SCI 496</b> (descriptions/496-21.html)	<b>Qualitative Reasoning Seminar</b> (descriptions/496-21.html)			2-3:20 TuTh Forbus	
<b>COMP_SCI 496</b> (descriptions/496-23.html)	<b>AI Perspectives: Symbolic Reasoning to Deep Learning</b> (descriptions/496-23.html)			2-3:20 MW Alam	
<b>COMP_SCI 496</b> (descriptions/496-24.html)	<b>Visualization for Scientific Communication</b> (descriptions/496-24.html)		2 -4:50 T Kay		
<b>COMP_SCI 496</b> (descriptions/496-25.html)	<b>Generative Deep Models</b> (descriptions/496-25.html)			4-6:50 W Pardo	
<b>COMP_SCI 496</b> (descriptions/496-4.html)	<b>Learning, Information, and Data</b> (descriptions/496-4.html)			5-6:20 MW Liang	
<b>COMP_SCI 496</b> (descriptions/496-7.html)	<b>The Design of Technological Tools for Thinking and Learning</b> (descriptions/496-7.html)		2-4:50 W Wilensky		

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<a href="#">COMP_SCI 496</a> ( <a href="#">descriptions/496-8.html</a> )	<a href="#">Advanced Topics on Deep Learning</a> ( <a href="#">descriptions/496-8.html</a> )		6 - 9 M Liu		
<a href="#">COMP_SCI 497</a> ( <a href="#">descriptions/497-3.html</a> )	<a href="#">Digital Musical Instrument Design</a> ( <a href="#">descriptions/497-3.html</a> )			3-6:50 F Pardo & Moore	
<a href="#">COMP_SCI 497</a> ( <a href="#">descriptions/497-4.html</a> )	<a href="#">The Design of Tools and Technologies for Computer Science Education</a> ( <a href="#">descriptions/497-4.html</a> )	2-4:50 F O'Rourke			
<a href="#">COMP_SCI 497</a> ( <a href="#">descriptions/497-5.html</a> )	<a href="#">The Science of Law and Computation</a> ( <a href="#">descriptions/497-5.html</a> )			3:30 -6:20 Th Hartline & Linna	