2020 – 2021 Graduate Course Offerings

Below is a list of graduate courses currently scheduled to be offered starting in Fall 2020. Please refer to the UCR General Catalog for course descriptions. Course offerings from previous years can be viewed in our Archive.

Only approved undergraduate technical elective courses are applicable toward your degree.
Note: Course offerings, available sections and professor assignments are subject to change without notice.

Course	Course Title	Fall 2020	Winter 2021	Spring 2021
CS 201	Compiler Construction	Rajiv Gupta	Zhijia Zhao	
CS 202	Advanced Operating Systems	Heng Yin	Hung-Wei Tseng (ECE faculty)	Nael Abu-Ghazaleh
CS 203	Advanced Computer Architecture	Hung-Wei Tseng (ECE faculty)	Daniel Wong (ECE faculty)	
CS 204	Advanced Computer Networks			Jiasi Chen
CS 205	Artificial Intelligence	Paea LePendu		Eamonn Keogh
CS 206	Advanced Software Testing and Analysis			Manu Sridharan

Course	Title			
CS 208	Cloud Computing and Cloud Networking		KK Ramakrishnan	
CS 210	Scientific Computing	Tamar Shinar		
CS 211	High Performance Computing	Zizhong Chen		
CS 213	Multiprocessor Architecture and Programming		Elaheh Sadredini	
CS 214	Parallel algorithms			Yihan Sun
CS 215	Theory of Computation		Amey Bhangale	
CS 216	Cryptography		Silas Richelson	
EE/CS 217	GPU Architecture and Parallel Programming	Daniel Wong (ECE faculty)		
CS 218	Design and Analysis of Algorithms	Amey Bhangale	Yihan Sun	Yan Gu
CS 220	Synthesis of Digital Systems			Philip Brisk
CS 224	Foundations of Machine Learning		Christian Shelton	
CS 225	Spatial Computing	Amr Magdy		
CS 226	Big-Data Management	Ahmed Eldawy		
CS 229	Machine Learning			Christian Shelton
CS 230	Computer GraphiCS		Craig Schroeder	
CS 234	Computational Methods for Biomolecular Data		Stefano Lonardi	
CS 235	Data Mining Techniques	Vagelis Papalexakis		Vagelis Papalexakis
CS 236	Database Management Systems	Mariam Salloum		Chinya Ravishankar
CS 240	Network Routing	Michalis		

		Faloutsos		
CS 242	Information Retrieval and Web Search	Vagelis Hristidis		
CS 246	Software Verification			Mohsen Lesani
CS 250	Software Security			Chengyu Song
CS 253	Distributed Systems	Srikanth Krishnamurthy		
CS 254	Network Security			Zhiyun Qian
CS 255	Computer Security		Chengyu Song	
CS260	Seminar of Computer Science	Elaheh Sadredini		
CS 287	Colloquium in Computer Science	Tamar Shinar	Tamar Shinar	Tamar Shinar
CS 302	Teaching Practicum	Mariam Salloum (supervising instructor)	Mariam Salloum (supervising instructor)	Mariam Salloum (supervising instructor)

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