



## 2019 – 2020 Graduate Course Offerings

Below is a list of graduate courses currently scheduled to be offered starting in Fall 2019. Please refer to the [UCR General Catalog](#) for course descriptions.

**Undergraduate technical electives courses applicable toward your graduate degree:** CS 105, CS 122A, CS 122B, CS 130, CS 133, CS 135, CS 145, CS 160, CS 162, CS 164, CS 165, CS 166, EE/CS 168, CS 169, CS 170, CS 171, CS 172, CS 173 (approval pending), CS 177, CS 179 (E-Z) (4 units maximum), CS 180, CS 181, CS 182, CS 183, CS 193 (4 units maximum), EE 140, MATH 120, MATH 126, MATH 135A, MATH 135B, PHIL 124.

**Note:** Course offerings, available sections and professor assignments are subject to change without notice.

### Fall 2019

CS201	Compiler Construction	Prof. Gupta, R.
CS202	Advanced Operating Systems	Prof. Yin, H.
CS203	Advanced Computer Architecture	Prof. Tseng, H. (ECE Faculty)
CS205	Artificial Intelligence	Prof. LePendu, P.
CS210	Scientific Computing	Prof. Shinar, T.
CS211	High Performance Computing	Prof. Chen, Z.
EE/CS217	GPU Architecture and Parallel Programming	Prof. Abu-Ghazaleh, N.
CS218	Design and Analysis of Algorithms	Prof. Richelson, S.
CS220	Synthesis of Digital Systems	Prof. Brisk, P.

## Fall 2019

CS226	Big-Data Management	Prof. Eldawy, A.
ME/CS233	Pen Based Computing	Prof. Stahovich, T. (ME faculty)
CS235	Data Mining Techniques	Prof. Papalexakis, E.
CS236	Database Management Systems	Prof. Tsotras, V.
CS240	Network Routing	Prof. Faloutsos, M.
CS253	Distributed Systems	Prof. Krishnamurthy, S.
CS287	Colloquium in Computer Science	Prof. Ramakrishnan, K.K.
CS302	Apprentice Teaching	Prof. Salloum, M. (supervising instructor)

## Winter 2020

CS201	Compiler Construction	Prof. Zhao, Z.
CS202	Advanced Operating Systems	Prof. Tseng, H. (ECE Faculty)
CS203	Advanced Computer Architecture	Prof. Wong, D. (ECE Faculty)
CS205	Artificial Intelligence	Prof. LePendou, P.
CS208	Cloud Computing	Prof. Ramakrishnan, K.K.
CS213	Multiprocessor Architecture and Programming	Prof. Bhuyan, L.
CS215	Theory of Computation	Prof. Chrobak, M.
CS216	Cryptography	Prof. Richelson, S. (approval pending)
CS218	Design and Analysis of Algorithms	Prof. Lonardi, S.
CS225	Spatial Computing	Prof. Magdy, A.
CS227	Probabilistic Models for Artificial Intelligence	Prof. Shelton, C.
CS230	Computer Graphics	Prof. Schroeder, C.

## Winter 2020

CS242	Information Retrieval and Web Search	Prof. Christidis, E.
CS255	Computer Security	Prof. Song, C.
CS260	Seminar in Computer Science	Prof. Sun, Y.
CS287	Colloquium in Computer Science	Prof. Ramakrishnan, K.K.
CS302	Apprentice Teaching	Prof. Salloum, M. (supervising instructor)

## Spring 2020

CS202	Advanced Operating Systems	Prof. Kim, H. (ECE Faculty)
CS204	Advanced Computer Networks	Prof. Chen, J.
CS206	Advanced Software Testing and Analysis	Prof. Sridharan, M.
CS218	Design and Analysis of Algorithms	Prof. Chrobak, M.
CS229	Machine Learning	Prof. Shelton, C.
CS231	Computer Animation	Prof. Schroeder, C.
CS235	Data Mining Techniques	Prof. Papalexakis, E.
CS236	Database Management Systems	Prof. Tsotras, V.
CS238	Algorithmic Techniques in Computational Biology	Prof. Jiang, T.
CS247	Principles of Distributed Computing	Prof. Lesani, M.
CS260 001	Seminar in Computer Science	Prof. Gu, Y.
CS260 002	Seminar in Computer Science	Prof. Bhangale, A.
CS287	Colloquium in Computer Science	Prof. Ramakrishnan, K.K.
CS302	Apprentice Teaching	Prof. Salloum, M. (supervising instructor)