Class Schedule - Fall 2016

Computer Science

CS 446  Machine Learning  credit: 3 OR 4 hours.
Theory and basic techniques in machine learning. Major theoretical paradigms and key concepts developed in machine learning in
the context of applications such as natural language and text processing, computer vision, data mining, adaptive computer systems
and others. Review of several supervised and unsupervised learning approaches: methods for learning linear representations; on-line
learning, Bayesian methods; decision-trees; features and kernels; clustering and dimensionality reduction. 3 undergraduate hours. 3 or
4 graduate hours. Prerequisite: CS 373 and CS 440.

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<th>Time</th>
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<th>Location</th>
<th>Instructor</th>
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<td>Lecture</td>
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<td>Roth, D</td>
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Credit Hours: 3 hours
Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.

Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineering -UIUC, MS: Aerospace
Engr-Online-UIUC, NDEG:Grad Nondegree-CE-UIUC, NDEG:Undergrad Nondeg-CE-UIUC, MCS: Computer Sci Online-UIUC, or
MENG:Mech Engineering Onl-UIUC.
Restricted to online non-degree, online MCS, online MSAE, online MSME, and online MSCE students. Center for Innovation in
Teaching & Learning (CITL) restrictions and assessments apply, see https://online.illinois.edu. For more details on this course
section, please see http://engineering.illinois.edu/online/courses/.
OCE Tuition $1034.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.