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>Location</th>
<th>Instructor</th>
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<td>Hockenmaier, J</td>
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Credit Hours: 3 hours

Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.

Restricted to online non-degree, online MCS, online MSME and online MS CE students. Counts toward a certificate in Computer Science. Online & Continuing Education (OCE) restrictions and assessments apply, see http://www.oce.illinois.edu. For more details on this course section, please see http://online.dev.engr.illinois.edu/current-students/course-information/fall-2013-credit-course-offerings.
OCE Tuition $1017.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.