

COURSE SUPPLEMENT

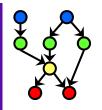
Project Proposal Guidelines for AI, Database, and Computer Graphics Courses

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> Course web site: <u>http://www.kddresearch.org/Courses/</u> Instructor home page: <u>http://www.cis.ksu.edu/~bhsu</u>

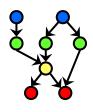




RESEARCH LITERATURE SURVEYS AND TERM PROJECT PROPOSALS

- Courses with Term Projects
 - * CIS 530, CIS 730: Artificial Intelligence
 - * CIS 598: Undergraduate Independent Study
 - * <u>CIS 560</u>: Database System Concepts
 - * CIS 690: Data Mining Systems (CIS 535)
 - * <u>CIS 636</u>: Introduction to Computer Graphics
 - * CIS 732: Machine Learning and Pattern Recognition
 - * CIS 736: Computer Graphics
- Courses with Literature Review Requirements for Research
 - * CIS 798, CIS 890: Topics in Computer Science
 - * CIS 830: Topics in Artificial Intelligence
 - * CIS 990: Graduate Seminar in Computer Science

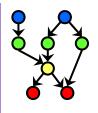




GUIDELINES

- "It's More of a Guideline" Barbarossa, *Pirates of the Caribbean*
- Approximately one page
- 10-12 point font
- 3-6 paragraphs
- 5 sections
 - ***** 1. Overview: Problem Statement Goal, Technical Objectives
 - * 2. Background & Related Work References (1-5 in print)
 - ***** 3. Methodology Implementation Platform, Approach
 - * 4. Evaluation Criteria How Will You Know It Works?
 - * 5. Milestones Rough Calendar (Later, Results)





WRITING GOOD PROPOSALS

- First: Do Enough Footwork
- Critique Existing State of the Art
 - ***** Novel contribution
 - ***** Key strengths
 - * Key weaknesses
 - ***** Open questions
- Be <u>Flexible</u>
- Scope of Work
 - * Flexibility / Originality
 - ***** Functionality
 - ***** Code Completeness
 - * Results
 - ★ Writeup

