Fall 2012

CS 1200: Introduction to Discrete Structures

Pascal Hitzler

Wright State University - Main Campus, pascal.hitzler@wright.edu

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I. College/School/Department – Teacher
   College of Engineering and Computer Science
   Department of Computer Science and Engineering
   Prof. Pascal Hitzler, 389 Joshi
   pascal@pascal-hitzler.de; office hours: Tuesdays 4pm to 5pm

II. Course Information
   Course Title: Introduction to Discrete Structures
   Course Abbreviation and Number: CS1200
   Course Cross Listing(s) Abbreviation and Number:
   Check ("x") all applicable:
   General Education Course_____ Writing Intensive Course_____ Service Learning Course_____ Laboratory Course__x__ Ohio TAG (Transfer Assurance Guide) Course ______ Ohio Transfer Module Course______ Others (specify)_____

III. Course Registration
   Prerequisites: MPL 3
   Corequisites: none
   Restrictions: none
   Other: none

IV. Learning Outcomes
   • Basic understanding of discrete structures as relevant for computer science
   • Working knowledge of basic mathematical notation and manipulation with discrete structures

V. Course Materials
   Required: none

VI. Method of Instruction: Lecture + Recitations

VII. Evaluation and Policy
   Weekly homework: 50% score required to qualify for participation in final exam.
   Two exams during term (30% each), final exam (40%) towards class grade.

VIII. Grading Policy
   Grading will follow a standard scale (A: 100-90, B: 89-80, C: 79-70, D: 69-60, F: 59-0)

IX. Course Outline
   1   The Language of Sets and Relations
   2   Logical Connectives
   3   Sets
   4   Functions
   5   Relations
   6   Natural Induction

X. Further Particulars
   Physical presence required in class and recitation sessions.