CS272 – Introduction to Data Structures
Syllabus – Fall 2004

Textbook: Data Structures and Algorithms in Java, Michael Goodrich and Roberto Tamassia, third edition. Publisher: John Wiley & Sons, Inc. The course will closely follow the textbook and handouts that will be made available through the course website.

URL: all information about this course (syllabus, homework assignments, handouts, etc.) will be available on-line at http://www.cs.nmsu.edu/~epontell/courses/cs272 You are expected to check the content of these pages at least three times a week.

Overview: We will learn advanced programming concepts and major data-structures that are needed in computer programming. The goal of this course is to become proficient in computer programming using the Java language and well known data structures. The following topics will be covered: review fundamental Java, basic computational complexity, recursion and recursive solutions, abstract data types, Java classes, interfaces, stacks, queues, linked lists, vector, lists, sequences, iterators, searching, hash tables, trees, binary trees, search trees, AVL trees, and sorting.

Prerequisites: CS171 is a prerequisite for this course. Knowledge of Java is required. If you do not meet these requirements, you will need permission of the instructors to continue the course.

Grades: Your grade in the course will be based on the grades you get in your weekly homeworks (30%), weekly quizzes (20%), midterm (20%) and comprehensive final exam (30%).

No make-up quizzes will be given during the course and no late homeworks will be accepted (unless in extreme cases and if a reasonable justification is provided). Homeworks will be submitted using the course web based homework submission system. Homeworks and quizzes are individual! The quizzes are in class quizzes (closed textbook, close notes). For the homeworks you are free to discuss general issues with other students, but you are required to come up with your own solutions and implement them without any external aid.

Class and lab meetings: The class will meet every Tuesday and Thursday from 11:45 am to 1:00 pm. The class meets in SH 115. The course has two lab sessions: Tuesday from 2:35 pm to 4:25 pm and Thursday from 2:35 pm to 4:25 pm. You can come to either one or both lab sessions. Lab sessions will take place in SH 118. Class and lab attendance is not required but be aware that material covered in class and not present in the textbook or handouts will be used in lab assignments, quizzes, and final exam.

Dates:
- Homework assignments will be released every Thursday at 2:35 pm and are due the following Thursday at midnight.
- Quizzes will be given every Thursday in class.
- Final Exam on Tuesday Dec 7 from 10:30 am to 12:30 pm

Professors:
Dr. Karen Villaverde and Dr. Enrico Pontelli
Email: kwillave@cs.nmsu.edu and epontell@cs.nmsu.edu
Karen’s Office Hours: MWF 4:30 pm to 6:30 pm in SH 161
Enrico’s Office Hours: TUTH 4:30 pm to 5:30 pm in SH163

Teaching Assistants:
Kevin Streander (SH 149) Marius Vulcan (SH 130)
Email: kstreand@cs.nmsu.edu Email: mvulcan@cs.nmsu.edu
Office hours: M 11:00-1:00 PM Office hours: F 11:00-12:00 PM

Students with Disabilities: If you have or believe you have a disability and would benefit from any accommodations, you may wish to self-identify by contacting the Services for Students with Disabilities (SSD) Office located at Garcia Annex (phone: 646-6840). If you have registered, please make sure that your instructor receives a copy of the accommodation memorandum from SSD within the first two weeks of classes. It is your responsibility to inform either your instructor or SSD representative in a timely manner if services/accommodations provided are not meeting your needs.

If you have a condition which may affect your ability to exit safely from the premises in an emergency or which may cause an emergency during class, you are encouraged to discuss any concerns with the instructor and/or Ms. Jane Spinti, SSD Coordinator. Feel free to call Ms. Elva Telles (EEO/ADA and employee Relations Director) at 646-3333 with any questions about the Americans with Disabilities Act (ADA) and/or Section 504 of the Rehabilitation Act of 1973. All medical information will be treated confidentially.