

4. **Midterm:** (25%)

The midterm will consist of 33 questions. Twenty six of these questions will be from two of the quizzes previously given in class – one or two point(s) value will be assigned to these questions. Seven of the questions will be code examples. These will be worth three points each. The total point value of the mid-term is 50 points.

5. **Final Exam** (25%)

The final exam will be a proposed problem. The student will turn in typed results of the problem solution according to the above student learning objective.

6. **Grading scale:** A = 90-100, B = 80-89, C = 70-79, D = 60-69, F = below 60

MATERIALS:

Text - the Logic and Design of Computer Programs; Jim Messinger; (Scott Jones Publisher); 2010 ; ISBN: 1-576-76130-4

Pencil, paper

Office Hours: Tue 9:30 -10:30 Thursday 12:30 – 1:30 and Tues/Thur evening 4:00 to 5:45 and Wednesday 4: - 6:00 or by appointment (call 818-470-8419 or 818-364-7742 or by email)

WEEKLY SCHEDULE

- **Introduction to algorithms**
- **Structured programming – Intro to hardware and software**
- **Data types, operators, library functions, modules**
- **Assignment statements, I/O, sequential algorithms**
- **Decision/Selection structures**
- **Repetition – pre-test loops, post-test loops**
- **Repetition – counting loops**
- **Repetition – pattern recognition**
- **Mid-term**
- **Files, sub-algorithms**
- **Arrays of one dimension, lists**
- **Sorting and Searching**
- **Arrays of more than one dimension**
- **Records and random access files**
- **Final exam**

<i>Final Exam – June 4 room 2005 8:00 – 10:00</i>
