

## Announcement for MPP Students Concerning the Final Programming Test

1. A 90-minute programming test will be given on the afternoon of the last Thursday of class. The test will have two programming problems of medium-level difficulty (by comparison with the MPP labs).
2. The programming test will cover coding UML diagrams and some of the new features of Java 8. Later in the course, your instructor will provide you with more details about the types of questions you can expect on the programming test.
3. The programming test will be graded on a Pass/Fail basis by the team in charge of the FPP/MPP program. Students who pass the test will get their grade on the basis of midterm, final, and other evaluations determined by the instructor. Students who do not pass the test will not be allowed to move forward in the program but will (in most cases) be allowed to repeat MPP.
4. The highest grade a student who fails the MPP programming test may receive is "C+". (Note that after repeating MPP successfully, this grade will be replaced by the grade earned in your repeat course.)
5. **Reason for the Programming Test.** MPP is the core course in our program that every student must take. Most of the other courses in the program depend in some way on the material covered in MPP. For this reason, it is essential that only students who can demonstrate a minimal skill level be admitted into the main sequence of courses. Students should be able to write a bug-free Java program that implements the content of a UML diagram and also a Java program that processes a collection using lambdas and streams. Any student who is able to get B's or higher on the midterm and final and who successfully works through the majority of the assigned labs will have no trouble with this programming test. On the other hand, there may be students who are able to do reasonably well on the midterm and final without working on the labs; such students often do not pass the programming test.