

CPSC 433 Compilers

Spring 2009

Administrative

- Instructor
 - Marc Corliss (corliss@hws.edu), Lansing 300
- Office hours
 - Mon/Wed 3PM-4PM, Thu 10AM-noon, Fri 9AM-10AM
- Date and location
 - Lecture: Mon/Wed/Fri 10:10AM-11:05AM, Lansing 301
 - Lab: Thu 1:30PM-2:55PM, Lansing 311
- Textbook
 - "Engineering a Compiler" by Cooper and Torczon
- Webpage
 - <http://math.hws.edu/mcorliss/teaching/spring09/cs433>

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Workload

- Attendance/participation
- Projects
- Homework
- Midterm exams
- Final exam

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Attendance/Participation

- Must attend all lectures and labs
 - Make sure you keep up with the material, also help significantly in doing projects
 - Can miss at most 3 combined lectures and labs without it affecting your grade
 - If miss more than 3, lose 10% of attendance/participation grade per day missed

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Projects

- Project-based course
 - Build a compiler for a Java-like language!
- 5 or 6 substantial projects
 - Each project you build a different part of the compiler (except first project where you learn the source language)
 - Work on these individually
- Project variance
 - Vary greatly in difficulty and time to complete (later projects will be longer and more difficult)
 - Projects weighted based on # of weeks given to complete
 - Total project grade = $(\text{Sum of each project grade multiplied by its weight}) / (\text{total project weeks})$

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More on Projects

- Checkpoints
 - For multi-week projects, will have to meet weekly checkpoints
 - Will need to complete a portion of the project each week
 - Helps ensure that you start early and work regularly on each project
- “Grace” days
 - Can use these to turn in project late w/o losing additional points
 - Get 3 for the entire semester (not per project)
 - Weekend days and holidays count as individual days
 - If multiple projects are late, “grace” days applied to project(s) w/ highest weight
- Late projects
 - If you run out of “grace” days, then you lose 10% off of total project grade per day submitted late

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Homework

- Several homework assignments, roughly one every two weeks
- To be completed individually
- Helps make sure you keep up with material and are ready for exams
- Lowest homework grade is dropped
- Not weighted heavily in total grade (roughly 1% per homework)
- Warning: homework will overlap with projects

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Midterm Exams

- Two in-class written midterm exams
- Scheduled tentatively for Fri., 2/20 and Fri., 4/3
 - Let me know in advance if this does not work for you
- Will not overlap with homework but will overlap with projects

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Final Exam

- Written final exam
- Will be cumulative
 - Although it will focus on material from last third of the course
- Scheduled (by the registrar) for 1:30PM-4:30PM on Saturday, May 9th
 - Cannot be rescheduled
 - Makeup exam given only with documentation from Dean
 - Must be done in advance

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Grading

- Projects - 50%
- Homework - 10% (approximately 1% each)
- Midterm exams - 20% (10% each)
- Final exam - 15%
- Participation - 5%

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Academic Integrity

- HWS principle of academic integrity governs course work
- All exams are to be completed individually
 - Exams will be closed book
- Homework is to be completed individually
- Projects are to be completed individually
 - Will be using MOSS (software analyzer) find plagiarized software
 - MOSS is highly accurate at finding cheating

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Center for Teaching and Learning

- Students who need to enhance study skills can contact center for teaching and learning (CTL)
 - CTL is in Rosensweig Learning Commons in Library, phone number 781-3351
- If you have an identified disability and would like to receive accommodations, please contact me
 - Need documentation from CTL

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Webpage, Schedule, and Email

- Make sure you view the course webpage regularly
 - <http://math.hws.edu/mcorliss/teaching/spring09/cs433>
- Second, make sure you view course and lab schedules regularly
 - <http://math.hws.edu/mcorliss/teaching/spring09/cs433/schedule.html>
 - http://math.hws.edu/mcorliss/teaching/spring09/cs433/lab_schedule.html
 - Let me know if you have any conflicts!
- Finally, make sure you check your HWS email regularly

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