CS1: Algorithms and Computer Programming I

| Week/Topic | Ass't/ <i>Announce</i> /Eval | Due Today/Returned | Activities/Assessment | Instructor Preparation |
|--|---|---|--|--|
| 1 - x-9/6-9/8 | Logistics and Overview | Due ready/restamed | , total video, i too occurrent | monacion i reparation |
| Monday | Logicus and Grownen | | | |
| Wednesday | Initial Reflection - due Wk 2 (9/11) | Interview person for web page | Review projects from previous years activity - groups review projects for past 111 classes - all 4 types; interesting features; how could be improved; what exited to learn | add link to St. Kate's Computer Science Gallery |
| | Lab 1: Moodle - due in Lab | | Syllabus Activity - go over syllabus and calendar - this explains how will be able to complete projects - expectations | post syllabus and calendar |
| | Personal Web Page - due Wk 3 (9/20) | | Labs - attendance expectations; role in learning; available times (straw poll); this week is moodle; importance - online resources (labs, reading questions, tech sheets, lessons) for project, hw and tests | post documents required for lab: questionaire, assignments, etc |
| | Homework 1 (moodle) - due Monday (9/11) | | Projects - Why projects? Way to use technical in creative and rewarding project; develop professional skills important for jobs and graduate programs; first projects, hw and tests used to evaluate technical and professional - need minimum to be able to do final project; Introduce first project - pair up students | post project description; HTML labs, tech sheets; presentation tips; design principles |
| | Reading - Epp (Appendix A) - Study Questions posted on Moodle (may be on test) Student-to-Professional Index Survey - due Monday (9/11) | | Introduction to HTML - demonstrate the basics; they create a basic HTML page; online resources and readings Interview / work time | post reading questions |
| Lab (Friday-ysn) | | | Lab in O'Neill (or during student tutor time): Lab 1: Moodle introduction; directly tied to Homework on Monday; online lesson on presentations, reading study questions | |
| 2 - 9/11-9/13-9/15 Monday | Homework 2 (HTML) - due Monday (9/18) | d Code Organization Techn Initial Reflection | Homework Assignment: Overview of HW and associated lab; JavaScript introduced | |
| | Lab 2: Troubleshooting (syntax) - due in Lab | Homework 1 (moodle) | Timelines & Risk Analysis: Newbies & Probies, Project 1 timeline | |

font properties
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Baby Objects: document structure, image properties,

Student-to-Professional Index

Survey

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| | Personal Web Page Project - due next Wednesday Reading - McDuffie (Chapters 1 & 2) - Study Questions posted on Moodle (may be on test) | | File Organization: directories, files; site map Code Organization: indenting, break lines; code documentation | | |
| | | | Tech sheets: where they are and how to use them | | |
| Wednesday | Homework 2 due Monday | | Baby Functions: location, calling, structure, referring to form objects | | |
| | | | Risk Analysis: of Project 1; must have, would be nice; know now, etc CD sleeves: analyzing; how to make them | | |
| Lab (Friday-ysn) | I | | Lab in O'Neill (or during student tutor time) : Lab 2: Troubleshooting (syntax) | | |
| 3 - 9/18-9/20-9/22 | Personal Web Page Proje | ect | | | |
| Monday | Homework 3 (troubleshooting) - due Monday (9/25) | Homework 2 (HTML) | Homework Assignment: Overview of HW and associated lab; flow charts introduced (similar to syntax chart) | template for portfolio exhibit | |
| | Lab 3: Troubleshooting (run time and debugger) - due in Lab |) | Portfolio: purpose; making exhibits (practice with a lab or homework exercise); check ins | copies of Individual Performance Evaluation - Novice level | |
| | Portfolio (check in 1) - due Wk 4 (9/27) | Initial Reflection | Professional development: Overview of student-to professional survey results; Self evaulation forms and what the terms mean. Practice evaluation with clips | - sign up sheet | |
| | | Homework 1 | Sign up for presentations: go through procedure Work time | | |
| Wednesday | Remember Portfolio check in 1 due on Wednesday | Personal Web Page - Presentation, handout, documentation, files | Presentations | cookies? | |
| Lab (Friday-ysn) | | Poot Woh poors are usely and | Lab in O'Neill (or during student tutor time): Lab 3: Troubleshooting (Objects, GUIs, objects, run time - debugger) | | |
| | | Post Web pages on web and email for final check | | | |

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| Week/Topic | Ass't/ <i>Announce</i> /Eval | Due Today/Returned | Activities/Assessment | Instructor Preparation | |
| | Remember Homework 6 is due Monday | | | | |
| Wednesday | Remember JavaScript project due next week | | Java compiler: Hello World, baby input (Favorite number, echo) - be sure can compile at your typical work computer Work time for JavaScript Project: where are they? | | |
| Lab (Friday-ysn) | 1 | | Lab in O'Neill (or during student tutor time): Troubleshooting (compile errors) | | |
| 8 - 10/23-10/25-10/27 | JavaScript Project | | | | |
| Monday | Portfolio (check in 2) - due Wk 9 (11/1) Test 2 review posted - since Friday is midterm break Remember JavaScript project is due Wednesday | Homework 6 (arrays) | Professional development: Team member roles and responsibilities Portfolio: comments from last time for the whole class Work time for JavaScript project: Risk Analysis; timeline status | d Mission: Impossible | |
| Wednesday | Test 2 topics will cover remaining material on JavaScript | JavaScript Project- Presentation, handout, documentation, files | JavaScript project - done in front of class; give feedback to each other on Handouts | | |
| Lab (Friday-ysn) | | Post Web pages on web and email for final check | Midterm Break | | |
| 9 - 10/30-11/1-11/3 | Designing command line | programs (return to control : | structures). Java I/O | | |
| Monday | Homework 8 (Java I/O and control structures) - due in two weeks - Monday (11/13) Lab 8: Java basic I/O and control structures - due in Lab (11/10) | | Homework overview - Lab 7 due this week (Troubleshooting - compiler); This new lab is helpful in moving forward on project; "Probational preparation A assigned Introduce Java project (Phases 1 & 2) - Application design: break down characteristics of the program - motivate need for I/O, objects | п | |

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Moodle (may be on test)

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| Week/Topic | Ass't/Announce/Eval | Due Today/Returned | Activities/Assessment | Instructor Preparation | |
| | Remember this homework is due next week | | | | |
| Wednesday | Test 3 will cover from Oct 29- next Wed (Nov 29) | | Applets: basics (hello world - 3 starting methods-drawing techniques), how to use in HTML, events | | |
| Lab (Friday-ysn) | 1 | | Lab on line (or during student tutor time): Review Questions for Test 3 | | |
| 13 - 11/27-11/29-12/1 | Applet I/O (GUI) | | | | |
| Monday | Homework 11 (Applets and Events) - due in two weeks - Monday (12/6) | Homework 10 (Arrays) | Homework overview - applets useful for phase 2 game | | |
| | Lab 11: Applets (N-A-P-E) - due in Lab (12/1) | | Drawing grids and array contents to screen | | |
| | Reading - Epp (Chapter 3, 14, Appendix B) - Study Questions | | | | |
| | posted on Moodle (may be on test) | | | | |
| | Remember this homework is due next week | | | | |
| Wednesday | Remember that Test 3 is a week from Monday (12/4) | | GUI: define text and button; tech sheets used for oth types; reference in readings | er | |
| Lab (Friday-ysn) | 1 | | Lab on line (or during student tutor time) : Applets (N-A-P-E) | | |
| 14 - 12/4-12/6-12/8 | Wrap up | | | | |
| Monday | Remember IPEs are this week | | Test 3 - remaining time can be used for project or ca | an | |
| | (optional) | events) | prearrange to work elsewhere; NO talking in classroom - either communicate in writing or leave to | | |
| | | | meet elsewhere (inform instructor before test starts) | | |

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| Wednesday | Final Reflection - due at final presentation (12/13) | | Portfolios: can pick up outside my office or I will return in 112 (for those who continue) - keep for interviews - next term will continue making exhibits but also create resume and cover letter. Look for job they may be interested in applying for - bring next term | |
| | | | Professional development: Elements of team dynamics - correlate to evaluation areas | Team evaluation sheets - grids for team interaction. Classify interactions using sheets |
| | No formal lab this week Remember final project, portfolio and reflection are due next week Wed at 1:30-3:30! (different time) | | Sign up for presentations: go through procedure | Check |
| Lab (Friday-ysn) | | | No formal lab this week - office hours in O'Neill Center | |
| Finals - 12/13 | Final presentation | | | |
| Wednesday | | Game Project - Phase 2 - Presentation, handout, documentation, files - 1 per team | Evaluations - when done, upload project for presentations | |
| | | Portfolio - final | Java Game project - Phase 2 - done in front of class and CSC guest professors; give feedback to each other on Handouts | invite guests; cookies |
| | | Final Reflection | oner on Handouts | |
| | | Post Web pages on web after presentation- students ensure working fine | | |