**ISAT 252—Programming and Problem Solving—Spring 2010—Course Schedule**

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| Week/Theme | | Monday | Wednesday | Friday |
| 1 | Course Intro  Computer Hardware  Bits, Bytes, and Boolean Logic | 1/11 | 1/13 | 1/15 |
| Topics: Course Intro Hacking Session—8PM | Topics: Computer Hardware | Topics: Boolean Logic  Assign Lab #1—Logic Gates |
| 2 | 1/18 | 1/20 | 1/22 |
| **MLK Day—No classes** Hacking Session—8PM | Lab #1 Due: 9AM  Topics: Grade Lab #1 | Topics: OOP Intro  Assign Lab #2—Visual Studio Intro |
| 3 | Object Oriented and Procedural Programming | 1/25 | 1/27 | 1/29 |
| Lab Day  Hacking Session—8PM | Lab #2 Due: 9AM  Topics: Grade Lab #2 | Topics: Classes  Assign Lab #3—Your First Object |
| 4 | 2/1 | 2/3 | 2/5 |
| Lab Day  Hacking Session—8PM | Lab #3 Due: 9AM  Topics: Grade Lab #3 | Topics: Planning Documents  Assign Lab #4—Planning a Project |
| 5 | 2/8 | 2/10 | 2/12 |
| Lab Day  Hacking Session—8PM | Lab #4 Due: 9AM  Topics: Grade Lab #4 | Topics: File Management with Subversion  Assign Lab #5—Implementing a Plan |
| 6 | 2/15 | 2/17 | 2/19 |
| Lab Day  Exam Review  Hacking Session—8PM | Lab #5 Due: 9AM  Topics: Grade Lab #5  **Midterm Exam #1—6PM** | Topics: Grade Midterm #1  Assign Lab #6—Extending Your Reach  Assign Semester Project |
| 7 | 2/22 | 2/24 | 2/26 |
| Grade Midterm #1  Hacking Session—8PM | Lab #6 Due: 9AM  Topics: Grade Lab #6 | Topics: Debugging  Assign Lab #7—String Processing |
| 8 | 3/1 | 3/3 | 3/5 |
| Lab Day  Hacking Session—8PM | Lab #7 Due: 9AM  Topics: Grade Lab #7 | Topics: Code Review  Assign Lab #8—Working with Files |
| SB | 3/8 | 3/10 | 3/12 |
| **Spring Break!** | | |
| 9 | 3/15 | 3/17 | 3/19 |
| Lab Day  Hacking Session—8PM | Lab #8 Due: 9AM  Topics: Grade Lab #8 | Topics: Mid-semester Status Check  Assign Lab #9—Control Structures & Collections |
| 10 | 3/22 | 3/24 | 3/26 |
| Lab Day  Hacking Session—8PM | Lab #9 Due: 9AM  Topics: Grade Lab #9 | Topics: Getting a Job in a Programming Field  Assign Lab #10—Declarative Programming Intro |
| 11 | Declarative Programming and Knowledge Based Systems | 3/29 | 3/31 | 4/2 |
| Lab Day  Exam Review  Hacking Session—8PM | Lab #10 Due: 9AM  Topics: Grade Lab #10  **Midterm Exam #2—6PM** | Topics: Grade Midterm #2  Assign Lab #11—Decision Rules |
| 12 | 4/5 | 4/7 | 4/9 |
| Grade Midterm #2  Hacking Session—8PM | Lab #11 Due: 9AM  Topics: Grade Lab #11 | Topics: KBS Development  Assign Lab #12—Decision Trees |
| 13 | 4/12 | 4/14 | 4/16 |
| Lab Day  Hacking Session—8PM | Lab #12 Due: 9AM  Topics: Grade Lab #12 | **ISAT Senior Symposium**  Assign Lab #13—Corvid Program |
| 14 | 4/19 | 4/21 | 4/23 |
| Lab Day  Hacking Session—8PM | Lab #13 Due: 9AM  Topics: Grade Lab #13 | Declarative Programming Wrap-Up |
| 15 | Project Presentations Course Wrap-up | 4/26 | 4/28 | 4/30 |
| Project Presentations  Hacking Session—8PM | Project Presentations | Course Wrap-Up  Projects Due |
| Final | | 5/3 | 5/5 | 5/7 |
| Exam Review | **Common Final: 6PM** |  |