**CSIT 207 Web Programming II - Programming**

**Master Syllabus**

|  |  |
| --- | --- |
| **Instructor** | Professor Raghunath |
| **Office Location** | 2155 |
| **E-mail** | [raghunat@fredonia.edu](mailto:raghunat@fredonia.edu) |
| **Office Hours** | TBD |
| **Course Place** | Science Center 117 |
| **Course Time** | MW 4:30pm – 5:50pm |
| **Skype** | stephen.raghunath |

**1. Catalog description:** An advanced course in server-side web programming. Topics include: cookies, file and database access, portals and web applications; server side scripting. Knowledge of HTML, and of C++, Java, or Visual Basic are required.

**Credits:** 3

**Frequency:** every semester

**2. Prerequisite:**

CSIT 107 and (CSIT 105 or CSIT 121)

**3. Course Textbook:**

**Textbook:** None

**4. Learning Goal(s):** At the end of the course, the students are expected to be able to demonstrate an ability to develop an interactive website using HTML, PHP, and MySql. They should be able to demonstrate core knowledge of information technology and robust programming skills.

**5. Objectives:**

After completing this course the student will be able to:

* Receive and manipulate data submitted in forms
* Interact with site users and files
* Design and develop mysql databases to support website activities
* Use PHP to facilitate advanced website features
* Store and maintain user information and status
* Secure access to portions of or entire websites

**6. Course Structure:**

* Lectures
* Labs/In-class assignments
* Group assignments

**7. CCC:** None.

**8. Course outline:**

|  |  |
| --- | --- |
| **Week** | **Topics** |
| 1 | Course orientation and HTML/CSS review |
| 2 | Portals and Web Applications |
| 3 | Server elements and Templating |
| 4 | PHP Basics – syntax, constraints, and basic commands |
| 5 | Operators, order of execution, control structures. |
| 6 | File structures. |
| 7 | Automated email, form verification |
| 8 | Best coding practices, code analysis |
| 9 | Arrays |
| 10 | Database basic development and design |
| 11 | Review |
| 12 | MySql implementation and programming |
| 13 | Security and data management |
| 14 | Sessions and cookies |
| 15 | Requested topics and review |

**9. Assignments, Exams, Quizzes, and Projects:** All exams, quizzes and projects must be taken on the date scheduled or submitted by the due date. Failure to do so will result in a zero score for that exam, quiz, or project. An exam, quiz, or project missed due to absence cannot be made up unless prior arrangements with the instructor have been made 24 hours prior to the scheduled date. The arrangements should be validated with a written excuse note from the proper authority and will be required before a makeup is considered. A time will be set up for a make-up exam at instructor's convenience. The decision as to whether you will be allowed to make up the exam will be based on the reason for the absence, promptness of notification, and other factors as determined by the instructor. A make-up quiz/exam cannot be given more than 2 weeks after the date of the regular quiz/exam.

You are required to submit any homework or in-class assignments by midnight on the day that it is due. Homework assignments **sent by e-mail won’t be accepted**. Late homework will not be accepted without prior permission.

At least one assignment, in-class assignment, and exam will involve working in groups. Group work is a necessary talent in programming and projects are commonly approached from a team aspect. If you are uncomfortable with a portion (no more than 30%) of your grade being based on a group-based grade you may wish to reconsider this course.

**10. Grading:**

The relative weight of each component of your grade is shown on the table below.

|  |  |
| --- | --- |
| **Component** | **Percentage** |
| Assignments | 70% |
| Final Project | 30% |
| **Total** | **100%** |

The table below lists student’s grade for a given percentage achieved.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 92%-100% | 90%-91% | 88%-89% | 82%-87% | 80%-81% | 78%-79% | 72%-77% | 70%-71% | 68%-69% | 62%-67% | 60%-61% | 0%-59% |
| A | A- | B+ | B | B- | C+ | C | C- | D+ | D | D- | E |

**11. Class Attendance:** Attendance is highly recommended. The students are responsible for all material presented in class and in assigned reading.

If the students miss a class it is their responsibility to obtain the lecture information, including announcements, from fellow students. Make-up lectures will not be given. You are responsible for all information from each lecture whether or not the lecture was attended.

**12. Academic Honesty:** University policies for academic honesty will be applied.

**13.**[***Click here for the* *Academic Calendar of the current semester***](http://www.fredonia.edu/calendars/academic_calendar.asp)

**14. Required Materials:**A personally owned laptop or desktop computer capable of maintaining an internet connection for a long period of time.

**15. Classroom and Lab Procedures:**

1. Make sure to bring your laptop or start your desktop before each class. Use your personal storage space (U - drive) on the Fredonia server for backup purposes.
2. **Textbooks** should be brought to each class. Take time to read the required text.
3. **Cell phones**: Cell phones should be put on silent or vibrate in class. If a phone distracts its owner or other members of the class, it will be collected and held until the end of class. Use of cell phones or other electronic devices during quizzes or exams will result in an immediate zero grade.

**Laptops:** Laptops should be used only for the work directly related to the course.

1. **The Learning Center**, located on the 4th Floor of Reed Library ([www.fredonia.edu/tlc/](http://www.fredonia.edu/tlc/)), is a place where the students can receive friendly tutoring and confidential support for their learning needs. At the Learning Center, the students will also find support if they have a learning disability, help if English is not their native language, as well as supplemental instruction opportunities for challenging courses.

**Note: This syllabus is subject to change at the discretion of instructor.**