|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ClassNbr | Section | Hours | **Location** | **Instructor** |
| 5735 | 01 | MWF 2:00 – 2:50 | QBB 104 | Latimer |

|  |  |  |  |
| --- | --- | --- | --- |
| Instructor | Joe Latimer | Email | Joseph.Latimer@ndsu.edu |
| Office | QBB 258 A11 | Homepage | **www.ndsu.nodak.edu/pubweb/~latimer** |
| Phone | **231-6509** | Office Hours | MTWRF 3:00-3:50pm& by appointment |

**Prerequisites:** CSCI 213

**Required Text:**

Stallings, William. *Computer Organization and Architecture: Designing for Performance, 10th Edition*, Pearson, 2016.

ISBN 13: 978-0-13-410161-3

**Required Material:** None

**Recommended Text:** None

**Course Description**:

Organization and structure of the major sections of a computer:

* CPU
* Memory
* I/O
* System organization and implementation issues

**Course Grades:**

|  |  |
| --- | --- |
| Course Component | Weight towards Final Grade |
| Exam 1 | 15% |
| Exam 2 | 15% |
| Final Exam | 30% |
| Assignments | 30% |
| Quizzes | 5% |

Letter grades will not be assigned to individual components of the course requirements. Only points (numerical scores) will be assigned. These numerical scores will be weighted according to the percentages shown above and added to obtain a cumulative score. A final course grade will be assigned based on the following scheme:

|  |  |
| --- | --- |
| **Cumulative Score** | **Letter Grade** |
| 90 and above | A |
| 80 - 89.9 | B |
| 70 - 79.9 | C |
| 60 - 69.9 | D |
| Less than 60 | F |

**Unannounced Quizzes / Class Activities**

In order to encourage class attendance and cognitive engagement unannounced quizzes, in-class assignments, and quick home projects may be given during the semester. All participation items will carry an equal weight. I will drop the lowest 15% of these items when determining your grade.

**There are no make-ups for missed class participation points. The 15% of the points that will be dropped should be more than sufficient for students who need to miss class for university activities or for personal emergencies.**

It is unfortunate that I run across the occasional student or students who feel that their individual conversations or activities are more important than the material being covered in class. I will not tolerate behavior that disrupts my class or interferes with the learning experience of other students. **Disruptive behavior includes use of computers, notebooks or other mobile devices for any activities not directly related to the course.** If I ask you to discontinue behavior that I view as disruptive I expect you to comply. Failure to comply or the need for me to warn you more than twice in a semester may cost you all of your class participation points. If the inappropriate behavior continues you will be dropped from the course. If you are asked to leave the classroom you will not be allowed to make up missed participation points.

**Assignments:**

This course will include a number of assignments.

You will be expected to complete all of the assignments.

Each assignment will have a due date and time. A penalty equal to the **cube** of the days late will be applied to each late assignment. If you assignment is turned in after the due time it will be considered an additional day late. Weekends and holidays will are counted as late days.

* If your assignment is 1 day late the late penalty will be 1%.
* If your assignment is 2 days late your late penalty will be 8%.
* If your assignment is 3 days late your late penalty will be 27%.
* If your assignment is 4 days late your late penalty will be 64%.
* If your assignment is 5 days late your late penalty will be 100%.

**Exams**:

There will be three exams for the course. The final exam will be a comprehensive exam over the entire course.

**Missing any exam will result in a score of zero for that exam.**

If you cannot make an exam period for any reason, you must notify the instructor as far in advance as possible. Make-up exams will be given at the discretion of the instructor and may be completely essay & code writing. In the case of a required business trip or medical procedure, a signed letter from your manager or doctor is required. This letter must include the telephone number of your doctor or supervisor. In other circumstances, documentation will certainly help your case.

Each exam may consist of multiple-choice questions, code segments, complete programs and short answer questions. Questions for the exams will be based on assigned chapters in the textbook, lectures, videos, class discussion, course assignments, and any additional readings. Bottom line, any material presented in the course is fair game on the exams.

**An exam review sheet will be distributed at least one week period prior to each exam.**

**Course Web Page**:

Blackboard will be used for this course. All course announcements and assignments will be posted on Blackboard. You are expected to check the course web page on a regular basis. You are responsible for any changes in due dates or course requirements if an announcement is made with at least 48 hours (weekends and holidays excluded) notice.

**Additional Items:**

I will attempt to make this course as "paperless" as possible. All course material will be posted on the course web page. Some assignments will be posted on course web page and collected electronically. You need to know how to both send and receive binary attachments to email messages and how to post and download files on Blackboard.

**Academic Honesty:**

All work in this course must be completed in a manner consistent with NDSU University Senate Policy, Section 335: Code of Academic Responsibility and Conduct that can be found at:

<http://www.ndsu.edu/fileadmin/policy/335.pdf>

Students are responsible for submitting their own work. Students who cooperate on any class participation exercises, assignments or examinations without authorization share the responsibility for violation of academic principles, and such students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred.

**The minimum penalty for prohibited academic conduct will be a failing grade for the course for each of the individuals involved.**

**Unless otherwise stated, discussion of concepts and ideas with others is encouraged. Sharing answers and code (copying and/or copying & pasting) is not allowed.**

**Special Accommodations:**

Any student with disabilities who needs accommodation in this course is encouraged to speak to me as soon as possible to make appropriate arrangements for these accommodations.

Veterans and student soldiers with special circumstances or who are activated are encouraged to notify me as soon as possible. I will make every effort possible to insure that a student who is activated will be able to complete the course.

**Additional Policies:**

* All assignments will be announced in class and posted on Blackboard. If you miss class for any reason, it is your responsibility to find out what assignments you missed.
* Some lecture material may not be from the textbook. Exam questions might come from this material. If you miss class for any reason, it is your responsibility to get lecture information from a classmate, (they will not be available from the instructor, grader, or tutors).
* It is your responsibility to read the textbook. It is strongly suggested that you read ahead of the lectures. Additionally, exam questions will come from this material.
* All electronic devices brought to class must have the sound turned off. If disruption of the class by devices such as cell phones or laptop computers occurs frequently, action will be taken to restore a productive learning environment.
* Headphones or other personal listening devices are not allowed during class or lab sessions.
* Any work requiring a hard (paper) copy is due at the beginning of class on the day indicated. In keeping with the responsible printing initiative, this type of assignment will be kept to a minimum.
* All work submitted electronically must be submitted before midnight of the due date via Blackboard. Blackboard submissions are time-stamped and the time stamp be used to determine any late penalty.
* If you dispute the grading of any material, you have two weeks from the date the grade is recorded to request a change in the grade. After this time, no alterations will be considered, unless a grading error is discovered.