

## **CSEC 434 - Distributed Systems - Spring 2019**

### **Prerequisites:**

CSEC 322 (Switching and Routing) and CS 250 (Data Structure I)

### **Class Meetings:**

MWF 10:00am-10:50am, 112 Stipes Hall

### **Office Hours:**

MWF 2:00pm-3:20pm.

Additional office hours are available by appointment.

Office hours are subjected to change. Any changes will be updated on the course website.

### **Instructor:**

Dr. Hoang Bui, Assistant Professor, School of Computer Sciences

Email: h-bui at wiu dot edu

Office: 447L Stipes Hall

### **Course Overview:**

This course will introduce the principles of distributed systems and their design. Students will learn distributed systems abstractions, design and implementation techniques. We will discuss how those techniques has been used to build highly fault-tolerant, scalable and secure distributed systems. Course topics include the characteristics and constraints of distributed algorithms, security, and reliability issues of distributed systems. Additionally, we will discuss case studies of real-life distributed systems and applications.

### **Course Textbooks:**

Required: Andrew S. Tanenbaum and Maarten Van Steen, **Distributed systems: Principles and Paradigms**, 2nd edition.

### **Course Website:**

<http://faculty.wiu.edu/h-bui/teaching/2019Spring/csec434>

### **Grading:**

The programming assignments, exercise and quizzes are to be done individually, unless otherwise noted. Graduate students will need to complete additional requirements on the final project.

If you have any questions regarding how any assignment or exam is graded or that you deserve more points than you received, you must see the instructor before the next class meeting. Any assignment or exam returned to the instructor for regrading will be subject to regrading as a whole.

Item	Percentage
Attendance	5%
Homework	40%
Midterm	25%
Final Exam	30%

Undergraduate students

Grade	Range	Grade	Range	Grade	Range
A	100-93	A-	92-90	B+	89-87
B	86-83	B-	82-80	C+	79-77
C	76-73	C-	72-70	D+	69-67
D	66-63	D-	62-60	F	59-0

**Attendance and Deadlines:**

Students are expected to attend, participate and contribute during class. You must self-report any related absence(s) using the *Online Absence Reporting System, O.A.R.S.*, which is available from the website <https://my.wiu.edu>.

Late assignments are only accepted within 24 hours of the original deadline (usually beginning of class). There will be 25% penalty on late assignments. Assignment not turned in or more than 24 hours late will receive 0 points.

Makeup exam is only allowed in case of a true medical or family emergency on the day of the exam. Please email the instructor in a timely manner to arrange a makeup exam.

Final exams schedule: <http://www.wiu.edu/registrar/exams.php>

**Student Rights and Responsibilities.**

Please see <http://www.wiu.edu/provost/students.php>

**Student Academic Integrity Policy.**

Please see <http://wiu.edu/policies/acintegrity.php>

You may not copy assignment solutions from another student or any other sources. You may not allow other students to copy your assignment solutions (intentionally or unintentionally).

Any incidents will be reported to The Council on Admission, Graduation, and Academic Standards (CAGAS)

**Students with disabilities:**

Students with disabilities: In accordance with University values and disability law, students with disabilities may request academic accommodations where there are aspects of a course that result in barriers to inclusion or accurate assessment of achievement. To file an official request for disability-related accommodations, please contact the Disability Resource Center at 309-298-2512, [disability@wiu.edu](mailto:disability@wiu.edu) or in 143 Memorial Hall. Please notify the instructor as soon as possible to ensure that this course is accessible to you in a timely manner.

**Sexual Misconduct Policy (Title IX):**

University values, Title IX, and other federal and state laws prohibit sex discrimination, including sexual assault/misconduct, dating/domestic violence, and stalking. If you, or someone you know, has been the victim of any of these offenses, we encourage you to report this to the Title IX Coordinator at 309-298-1977 or anonymously online at:

[http://www.wiu.edu/equal\\_opportunity\\_and\\_access/request\\_form/index.php](http://www.wiu.edu/equal_opportunity_and_access/request_form/index.php)

If you disclose an incident to a faculty member, the faculty member must notify the Title IX Coordinator. The complete Title IX policy is available at:

<http://www.wiu.edu/vpas/policies/titleIX.php>