

# ITBU 443, Threats and Counter Measures

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## 1 Grading

Evaluation Item	Weight	Metrics
Homework	30%	Homework and class discussions are based on the assigned homework. <b>Completion of the written homework assignments is mandatory.</b> Homework will be assessed on a pass/fail basis, based on sufficiency of your responses.
Labs	30%	Labs are assessed on a pass/fail basis. You will receive a grade for a lab after you have notified me that you have completed the lab. Deadline for lab submission is by the end of the week the lab is scheduled.
Examinations	20%	There will be two examinations, each carrying 10% credit, covering all the material presented. Questions will be taken from the homework assignments. This will be an individual assessment on an open book open note basis.
Writing Assignments	20%	There are two writing assignments, due at the end of the fourth week and the end of the eighth week.
Evaluation	5%	The class evaluation carries five additional points. Essentially, this constitutes extra credit for submitting your evaluation.
Total	105%	

## 2 Submission Due Dates

Due dates are determined by the schedule, shown below. Assignments submitted after the due date are subject to a 100% grade penalty. All assignments are due on Friday at 2359 hrs./11:59 p.m..

As a general rule, all assignments are due on the day specified. Late assignments will be accepted on account of documented medical emergencies and other contingencies, as per University policy. Permission for a late assignment may also be given if requested *in advance of the due date*. Other exceptions to this rule will be announced in class. Students are responsible for keeping up with the due dates of all assignments. Ordinarily, I do not penalize late work, but this class moves so rapidly that it's almost impossible to recover if you get behind. **Do not fall behind in your deliverables.**

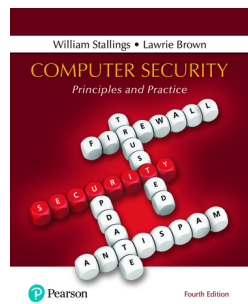
## 3 Schedule

### Schedule for Term

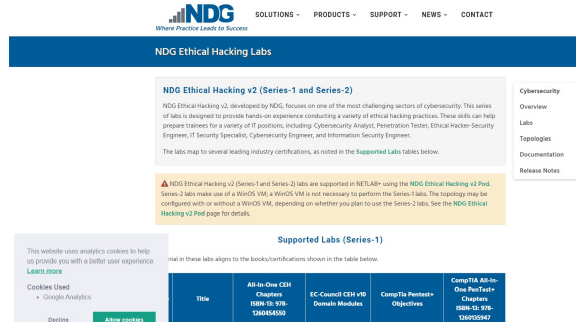
Due Date	Readings	Homework	Labs	Writing Assignments	Exams
January 13	Chapters 1, 2, 3	Homework 1, 2, 3	Labs 1, 2, 3		
January 20	Chapters 4, 5, 6	Homework 4, 5, 6	Labs 4, 5, 6		
January 27	Chapters 7, 8, 9	Homework 7, 8, 9	Labs 7, 8, 9		
February 3	Chapters 10, 11	Homework 10, 11	Labs 10, 11, 12	Assignment 1	Midterm Exam
February 10	Chapters 12, 13	Homework 12, 13	Labs 13, 14, 15		
February 17	Chapters 20, 21	Homework 14, 15	Labs 16, 17, 18		
February 24	Chapters 22, 23	Homework 16, 17	Labs 19, 20, 21		
March 3	Chapter 24	Homework 18	Labs 22, 23, 24	Assignment 2	Final Exam

## 4 Required Materials

### Books



(a) Computer Security Principles and Practices, Stallings and Brown



(b) Ethical Hacking, V. 2, Network Development Group, [https://www.netdevgroup.com/content/cybersecurity/labs/ndg\\_ethical\\_hacking\\_v2.html](https://www.netdevgroup.com/content/cybersecurity/labs/ndg_ethical_hacking_v2.html)

### Software

None

## 5 Student Effort

**Weekly effort** You should allocate 17 hours per week for this class, excluding the final examination. This is an estimate — your time will probably vary. You might want to schedule three and a half hours a day, Monday through Friday, in order to complete your work for the week. Here is a breakdown of the estimated weekly effort.

Assignment	Tasks/Week	Hours/Task	Hours/Week
Homework	2 or 3	3	9
Labs	3	1	3
Writing Assignments <sup>a</sup>	1	3	3
Examinations <sup>b</sup>	1		
Office Hours	1	2	2
Total			17

<sup>a</sup> There are two of these, due once a month. This allocation reflects an anticipated effort of about 12 hours per writing assignment.

<sup>b</sup> There are two exams, due once a month. This allocation reflects an additional effort.

**Office hours** I will keep regular office hours. The times will depend on what is most convenient to the class. We will determine this on the first day of class. I will have a *mandatory* introduction at the beginning of the term. Even though this is mandatory, no credit is given for attendance and no penalty will be assessed for non-attendance. The purpose of this meeting is a general orientation to the course and to explain the expectations and the expected learning outcomes.