

# EECS 862: Principles of Digital Communication Systems Spring 2019

Schedule:

Lecture period: TR 8:00–9:15, 2115 Learned Hall

Instructor: Prof. Erik Perrins

Office: 2054 Eaton Hall

Office hours: TR 9:15–11:00. Drop-ins at other times are always welcome but are best scheduled via e-mail.

Office phone: 864-7770

E-mail: `esp@atku.edu`

Text: *Digital Communications*, by J. G. Proakis and M. Salehi, McGraw-Hill, 2008 (5th Edition).

Class web page: [http://people.eecs.ku.edu/~esp/class/S19\\_862/](http://people.eecs.ku.edu/~esp/class/S19_862/)

## Daily Schedule, Reading and Homework Assignments

The daily schedule, reading assignments, and homework assignments will be posted on the class web page well in advance of any due dates. You are expected to have read the assigned material for each lecture beforehand.

## Class Participation

Attendance at all class meetings is required. Although there is no direct grading component based on class participation, the degree to which you participate will have an indirect impact on how well you do in the course.

## Homework

All homework is to be submitted at the very beginning of the period it is due. Late homework will be marked as “submitted” but not graded. Working within a study group is strongly encouraged but you must submit for grading only homework you have personally worked. **Copying from the solutions manual will result in zero points.** You can expect that the assigned homework problems have been carefully chosen for their ability to “drive home” the concepts that have been covered in class and to prepare you for the exams. You can also expect that each problem has been worked by the instructor and is “do-able.”

## Discussion Periods

There is no pre-scheduled discussion period for this course. If there is sufficient interest, one can be scheduled in my office. This time would be used for answering questions about the homework, projects, MATLAB, etc. It could also be used as a review session for the exams, and to discuss the solutions for the exams.

## Projects

A number of projects will be assigned during the semester. These are closely aligned with the subject matter of the course and will enhance the understanding of key concepts.

## Exams

Two midterm exams will be given during the semester. These will cover material presented up to the exam time. The homework problems and projects will prepare you for the problems on the exams, but you can expect the exam problems to be more difficult.

## Grading

Homework (5%)  
Projects (35%)  
Exams (60%)

90.0–92.9:	A–	93.0–100:	A		
80.0–82.9:	B–	83.0–86.9:	B	87.0–89.9:	B+
70.0–72.9:	C–	73.0–76.9:	C	77.0–79.9:	C+
60.0–62.9:	D–	63.0–66.9:	D	67.0–69.9:	D+
		0–59.9:	F		

## Grading Scale

## Prerequisites

EECS 861 and an undergraduate communications course.

## Comments

- Cheating [receiving/giving help, or representing others' work as your own, etc.] will be penalized severely. **This includes submitting HW solutions from the solutions manual as if they were your own.** Any behavior of this sort will be reported to the Associate Dean and will result in a zero for the particular item of work and might also result in an F for the class.
- Stop by during office hours to visit about course materials, personal concerns, career plans, or graduate school. Questions about homework presuppose that you have made a diligent attempt at all problems beforehand. Only hints will be provided; no worked out solutions of assigned problems before they are due. Seek to become self-reliant, including checking your solutions. Homework solutions will not be distributed but instead are available in my office.
- We will move at a quick, uniform pace. I assume that you are all mature, motivated students, and will look after your own best interests. If you are unclear on the subject matter, or are falling behind for any reason, I expect you to talk to me before it becomes a serious problem. FYI, approaching me with a problem after the final exam has been taken is an example of waiting too long.
- Bonus points may be awarded for outstanding performance on the final and other exams.
- Student with disabilities or special needs should see me immediately for accommodations.
- Changes announced in class supersede these written instructions.