

## COMP 590

## Introduction to Network Science Spring 2015

**Instructor:** Assistant Professor Edward C. Carr 330 McNair Hall. 285-3692  
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**Office Hours:** T.B.A

**Prerequisite:** COMP 285

**N.B.:** Students lacking the prerequisites will not be allowed in this course.

**Text** (required):

**Grading:** There will be a midterm test and a comprehensive final examination. **There will be no make up tests given for any reason and project dates are not extendable. If the midterm is missed, that percentage of the student's course grade will be add on to the final exam percentage.** Each student course grade will follow this distribution:

Projects	40 %
Tests	30 %
Final Exam	30 %

### Final Letter Grade

A	100-90
B	89-80
C	79-70
D	69-60
F	Below 60

**Projects:** It is important that practical experience be a significant role in your study of Web Science. Therefore, several projects will be assigned throughout the semester. Timely completion of the projects is important.

**Attendance:** The lectures introduce the class material. Some material presented in the lectures is not covered in the text. Students are responsible for all class material covered or assigned in lectures. While attendance at lectures is not absolutely mandatory, students are expected to attend all lectures.

**Cheating:** Cheating covers any case in which a student has received unauthorized aid in his/her performance that contributes to a course grade or submits material contributing to a course grade with the intent to deceive the instructor or grader. If the unauthorized aid includes help from another student, then that student is considered to have cheated as well. If a student cheats on lab work or a homework assignment, then he/she will receive a grade of zero (a grade of F) for that item as will anyone assisting him/her in an unauthorized way. If a student cheats on an exam or final, he/she will receive a failing grade for the class. All cases of cheating will be reported to the Director of Undergraduate Studies. When a student cheats for the second or more time in any Computer Science class, he/she will receive an F in the class in which the most recent case occurred and will be referred to the University authorities for disciplinary action.

**Course Description**

In this course we will introduce network science a new area of science.

Credit Hours: 3 Lecture Hours: 3

**Course Objectives**

In this course, the student will have the opportunity to develop his/her skills and knowledge in the following areas of Network Science. At the completion of this course the student should be able to perform the following tasks as well as demonstrate competency in these areas below:

- Foundation of Network Science
- Visualization of Networks
- Network Analysis tool
  
- Python
- NetworkX