

Course Syllabus

CS 3329: Analysis of Algorithm

Instructor Information

(<https://troy.instructure.com/courses/27442/assignments/syllabus#>).

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Students: You can contact me via phone during above officer hours too. Also, Please put course title – CS 3329– in the subject line of any emails you send me

Course Description

(<https://troy.instructure.com/courses/27442/assignments/syllabus#>).

This course will provide a rigorous introduction to the design and analysis of algorithms. This course discusses various algorithms that solve searching, sorting, graph traversals and cryptographic problems. There are many candidate algorithms to solve such problems. We will also analyze algorithm complexity throughout, and touch on issues of tractability such as "NP-Completeness".

Entrance Competencies / Course Prerequisites

(<https://troy.instructure.com/courses/27442/assignments/syllabus#>).

CS 3323, MTH 1125, 2215.

Required Textbooks & Supplementary Materials

(<https://troy.instructure.com/courses/27442/assignments/syllabus#>).

Title: **Introduction to Algorithms, (Third Edition or Fourth Edition)**

Authors: **Thomas H. Cormen, Charles Leiserson, Ronald L. Rivest, Clifford Stein**

Publisher: **Addison Wesley**

Method of Evaluation

(<https://troy.instructure.com/courses/27442/assignments/syllabus#>).

Grades will be based on total points accumulated in the course components below:

Midterm Exam	20%
Final Exam	35%
Quizzes	10%
Assignments and Projects	35%

ASSIGNMENT OF GRADES

All grades will be posted in the student grade book in Canvas and will be assigned according to the following or similar scale:

A	90 – 100%
B	80 – 89%
C	70 – 79%
D	60 – 69%
F	59% and below

Postings: I post Scores in Canvas, in the Grades section.

FA: “FA” indicates the student failed due to attendance. This grade will be given to any student who disappears from the course for three or more weeks. See the **Attendance** section of this syllabus for additional information.

Incomplete grade policy: Consult the undergraduate or graduate catalog for additional information..

Additional Course Information

(<https://troy.instructure.com/courses/27442/assignments/syllabus#>).

Test Dates

Midterm Exam

Friday, March 20