CS330

Our road ...

Dr. Eva Iwer

DigiPen Institute of Technology

Fall 2017

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Dr. Eva Iwer

General

phone: 5089
office: 2nd floor, close to financial aid
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simson0.digipen.edu

Dr. Eva Iwer

Office Hours

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 – 8:30					
8:30 – 9:00					
9:00 – 9:30					
9:30 - 10:00					
10:00 – 10:30					Office
10:30 - 11:00				Office	Hour
11:00 – 11:30				Hour	
11:30 - 12:00					
12:00 - 12:30					
12:30 - 1:00					
1:00 - 1:30					
1:30 - 2:00					
2:00 – 2:30					
2:30 - 3:00					
3:00 - 3:30					
3:30 - 4:00					
4:00 - 4:30					
4:30 - 5:00					
5:00 - 5:30					
5:30 - 6:00					

Important

OR BY APPOINTMENT

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Statistic

74 students

Year

12: 1
13: 4
14: 14
15: 49
16: 2
17: 4

Program

BS CS RTIS: 56
BS CS: 4
BS CS GD: 9
BSESD: 3
BS CE: 2

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Class Participation

- Ask questions
- Think critically
- Learn to express your opinion
- Respect other opinions

Important Dates

- Midterm: October 11, 2017
- Last Course Withdrawal Day: October 30, 2017

Grading

- Midterm: 20%
- Final Exam: 30%
- Assignments and Homework: 40%
- Quiz: 10 %

You must receive an average score of 60% on both the midterm and final exams combined to pass this course, regardless of your homework/quiz scores.

Quiz

- Big Quiz:
  - announced 1 week in advance
  - about 30 - 60 minutes
  - appr. 4
- Pop Quiz:
  - not announced
  - about 10 minutes at the end or start of a lecture
  - or inclass activities
  - or ...

Assignments and Homework

- 2 weeks to complete
- submission page is moodle and pontus

Assignments and Homework

all in all 5 Assignments

1. Week 2: BigO
2. Week 4: Correctness
3. Week 6: Brute Force
4. Week 9: Divide and Conquer
5. Week 12: Dynamic Programming

CS211 Late Policy

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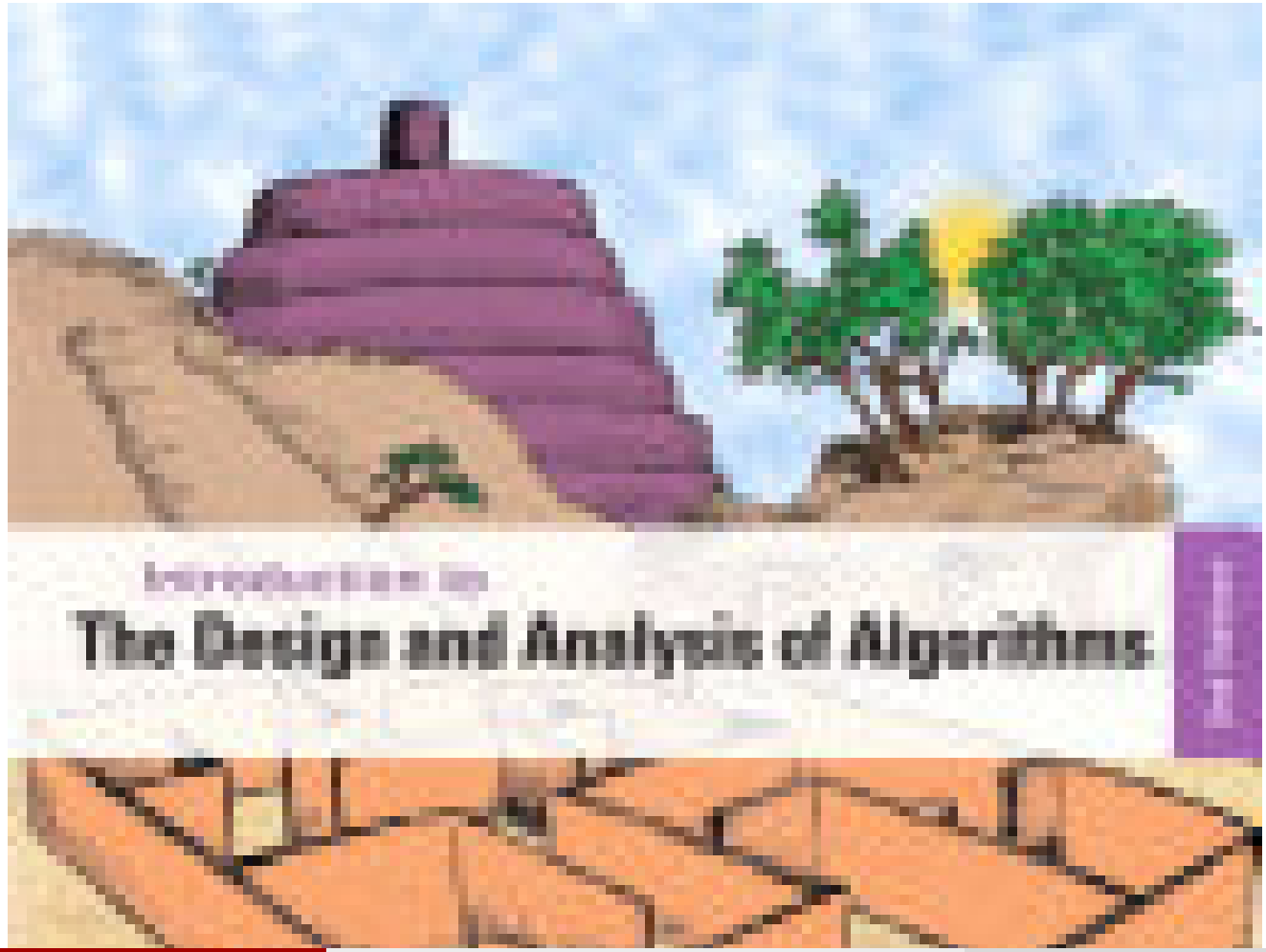
Important

Assignments will NOT be accepted after the submission deadline.

Textbook

Introduction to the Design and Analysis of Algorithms by Anany Levitin, Publisher Pearson Education Limited
ISBN 1292014113, 9781292014111, 9780201743951



CS330 Grading

Grading Policy

Grades will be derived from homework assignments and exams.
Grade breakdown:

- Assignments 45%
- Quiz 5%
- Midterm Exam 20%
- Final Exam 30%

You must receive an average score of 60% on both the midterm and final exams combined to pass this course, regardless of your homework/quiz scores.

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Assignments and Homework

- use all the sources at your disposal to solve homework assignments–lecture notes, web, and other people including faculty, TA's, and fellow students
- certain forms of collaboration are acceptable and beneficial to your learning process
- discussing the projects to understand them better, helping locate conceptual bugs, and discussing lecture and textbook content are acceptable

Important

But what you hand in must be your own work.
Add acknowledgments that lists all the written and human resources you consulted in doing the work

Inappropriate

- Copying files or parts of files from another person or source
- Copying (or retyping) files or parts of files with minor modifications such as style changes or minor logic modifications
- Allowing someone else to copy your code or written assignment, either in draft or final form
- Getting help that you do not fully understand, and from someone whom you do not acknowledge on your solution
- Lying to course staff
- Giving copies of work to others
- Coaching others step-by-step
- Don't lie to a staff member.
- Dishonesty is much worse than stupidity.

Cheating

Important

If you are feeling desperate enough to consider cheating, please talk to me about alternative strategies for addressing the challenges that are bringing you to this point. There are many ways to resolve issues without taking on personal and ethical risks with potential lifetime consequences!

Academic Integrity

Academic dishonesty, or cheating, occurs when a student represents someone else's work as their own, or assists another student in doing so. This can happen on exams, quizzes, homework, or projects. Academic dishonesty also may occur when a student uses any prohibited reference or equipment in the completion of a task.

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TA

TA for CS 330

Coburn Kong kongcoburn@gmail.com
Hans Berghoff ¡w.berghoff@digipen.edu¿

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Classroom Policies

- No Food
- Drinks are allowed, unless prohibited by School policies – use the right container
- No loud noises
- No phone calls/ ring ring.
- Laptops are allowed if used to display lecture material or to take notes.

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DSS

Students with physical, psychological, or learning disabilities that affect their ability to perform major life activities associated with this class may be eligible for reasonable accommodations under the Americans With Disabilities Act. If you have a documented disability, please contact the Disability Support Services office to arrange for accommodations for this class.

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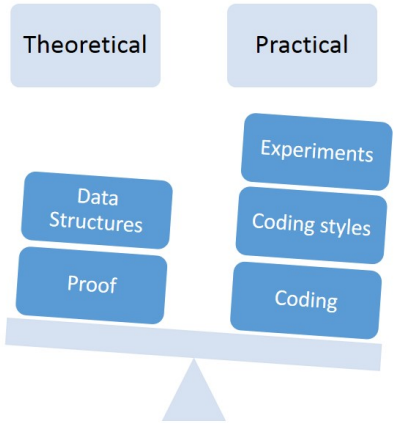
Prerequisites

1. CS 280 - Data Structures
2. CS 225 - Advanced C/C++
3. MAT 200 - Calculus and Analytic Geometry II or
4. MAT 230 - Vector Calculus II

Prerequisites



Reinforcement of your knowledge.

Learning Outcomes

1. Be able to prove correctness of algorithms
2. Have a deep understanding of differences and advantages of iterative and recursive algorithms
3. Have a knowledge base of existing algorithms
4. Understand speed vs. space trade-off, importance of data-structures and data preprocessing
5. Be able to design new algorithms using the ideas from class

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