

Course Mechanics

Outline

- 1 Website
- 2 Goal
- 3 Prerequisites
- 4 Instructor
- 5 Sessions
- 6 Text
- 7 Grading
- 8 Software
- 9 Policies
- 10 Qualities for Success
- 11 Immediate Action Items

Website

<https://www.swamiiyer.net/cs210/>

Website

`https://www.swamiiyer.net/cs210/`

What's on the Site?

- Announcements (landing page)
- Course Info
- Calendar
- Lecture Material
- Projects
- Resources

Goal

Goal

Survey the most important algorithms and data structures that are in use today

Prerequisites

Prerequisites

CS110 (Introduction to Computing)

Prerequisites

CS110 (Introduction to Computing) *or*

Prerequisites

CS110 (Introduction to Computing) *or*

Permission of the instructor

Instructor

Name: Swami Iyer

Instructor

Name: Swami Iyer

Contact Information:

- Office: M-3-201-14
- Email: siyer@cs.umb.edu

Instructor

Name: Swami Iyer

Contact Information:

- Office: M-3-201-14
- Email: siyer@cs.umb.edu

Office Hours:

- Tue Thu 9:45 AM – 10:45 AM and 2:45 PM – 3:45 PM (in-person)
- Wed 10:00 AM – 12:00 PM (remote)

Sessions

Class

Section	When	Where
1 – 3	Tue Thu 12:30 PM – 1:45 PM	Y-2-2110

Sessions

Class

Section	When	Where
1 – 3	Tue Thu 12:30 PM – 1:45 PM	Y-2-2110

Discussion

Section	When	Where
1	Tue 11:00 AM – 12:15 PM	W-2-0125
2	Thu 11:00 AM – 12:15 PM	M-2-0205
3	Tue 2:00 PM – 3:15 PM	W-1-0052

Sessions

Class

Section	When	Where
1 – 3	Tue Thu 12:30 PM – 1:45 PM	Y-2-2110

Discussion

Section	When	Where
1	Tue 11:00 AM – 12:15 PM	W-2-0125
2	Thu 11:00 AM – 12:15 PM	M-2-0205
3	Tue 2:00 PM – 3:15 PM	W-1-0052

Supplemental Instruction (SI): details to be determined

Sessions

Class

Section	When	Where
1 – 3	Tue Thu 12:30 PM – 1:45 PM	Y-2-2110

Discussion

Section	When	Where
1	Tue 11:00 AM – 12:15 PM	W-2-0125
2	Thu 11:00 AM – 12:15 PM	M-2-0205
3	Tue 2:00 PM – 3:15 PM	W-1-0052

Supplemental Instruction (SI): details to be determined

Tutoring: available through Subject Tutoring Program

Text



Grading

Grading

Assessment	% of Final Grade
Projects (best 5 out of 6)	25
Exams (1 and 2)	70
Participation	5

Grading

Assessment	% of Final Grade
Projects (best 5 out of 6)	25
Exams (1 and 2)	70
Participation	5

Project: programming exercises/problems and report

Grading

Assessment	% of Final Grade
Projects (best 5 out of 6)	25
Exams (1 and 2)	70
Participation	5

Project: programming exercises/problems and report

Exam: written and programming components

Grading

Assessment	% of Final Grade
Projects (best 5 out of 6)	25
Exams (1 and 2)	70
Participation	5

Project: programming exercises/problems and report

Exam: written and programming components

Participation: in-class quizzes and attendance in discussions

Grading

Assessment	% of Final Grade
Projects (best 5 out of 6)	25
Exams (1 and 2)	70
Participation	5

Project: programming exercises/problems and report

Exam: written and programming components

Participation: in-class quizzes and attendance in discussions

If both exam scores $\geq 80\%$, the higher score will be the exam average

Grading

Assessment	% of Final Grade
Projects (best 5 out of 6)	25
Exams (1 and 2)	70
Participation	5

Project: programming exercises/problems and report

Exam: written and programming components

Participation: in-class quizzes and attendance in discussions

If both exam scores $\geq 80\%$, the higher score will be the exam average

Up to 5% extra points for attending and participating in SI sessions

Grading

Assessment	% of Final Grade
Projects (best 5 out of 6)	25
Exams (1 and 2)	70
Participation	5

Project: programming exercises/problems and report

Exam: written and programming components

Participation: in-class quizzes and attendance in discussions

If both exam scores $\geq 80\%$, the higher score will be the exam average

Up to 5% extra points for attending and participating in SI sessions

Up to $0.01x\%$ extra points if $x\%$ of the class completes the end-of-semester course evaluation

Grading

Assessment	% of Final Grade
Projects (best 5 out of 6)	25
Exams (1 and 2)	70
Participation	5

Project: programming exercises/problems and report

Exam: written and programming components

Participation: in-class quizzes and attendance in discussions

If both exam scores $\geq 80\%$, the higher score will be the exam average

Up to 5% extra points for attending and participating in SI sessions

Up to $0.01x\%$ extra points if $x\%$ of the class completes the end-of-semester course evaluation

If overall score is within 0.5% of a higher grade, it will be elevated to that grade

Piazza (Q&A)

Software

Piazza (Q&A)

Gradescope (grading)

Software

Piazza (Q&A)

Gradescope (grading)

Programming environment (projects)

Software

Piazza (Q&A)

Gradescope (grading)

Programming environment (projects)

Zoom (remote office hours)

Policies

Classroom

Policies

Classroom

Piazza

Policies

Classroom

Piazza

Collaboration

	Course Staff	CS210 Grads	Classmates	Others
Discuss concepts with	✓	✓	✓	✓
Acknowledge collaboration with	✓	✓	✓	✓
Expose your code/work to	✓	✓	✗	✗
View code/work of	✗	✗	✗	✗
Copy code/work from	✗	✗	✗	✗

Policies

Classroom

Piazza

Collaboration

	Course Staff	CS210 Grads	Classmates	Others
Discuss concepts with	✓	✓	✓	✓
Acknowledge collaboration with	✓	✓	✓	✓
Expose your code/work to	✓	✓	✗	✗
View code/work of	✗	✗	✗	✗
Copy code/work from	✗	✗	✗	✗

Academic Honesty

Policies

Classroom

Piazza

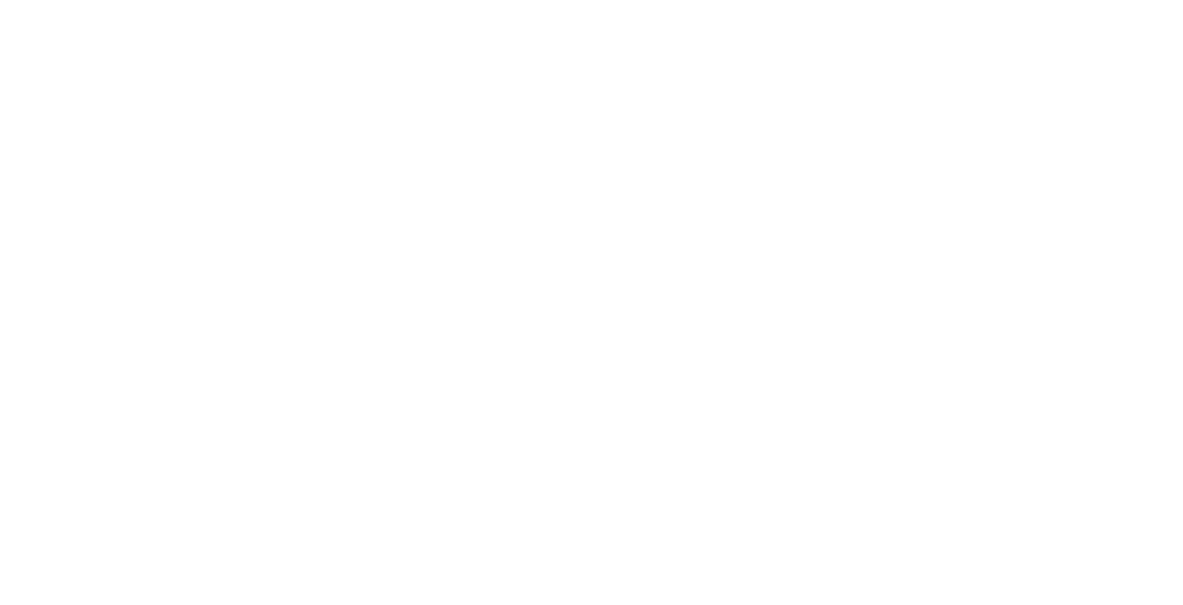
Collaboration

	Course Staff	CS210 Grads	Classmates	Others
Discuss concepts with	✓	✓	✓	✓
Acknowledge collaboration with	✓	✓	✓	✓
Expose your code/work to	✓	✓	✗	✗
View code/work of	✗	✗	✗	✗
Copy code/work from	✗	✗	✗	✗

Academic Honesty

Accommodations for students with disabilities

Qualities for Success



Qualities for Success

Qualities needed to succeed in this course and as a programmer in general[†]:

- Curiosity
- Resourcefulness
- Persistence
- Excitement
- Patience
- Concentration
- Independence
- Focus
- Creativity
- Meticulousness

[†] Taken from the *10 Signs You Will Suck at Programming* ↗ by Jonathan Bluks

Immediate Action Items

Immediate Action Items

Sign up for CS account

Immediate Action Items

Sign up for CS account

Sign up for Piazza

Immediate Action Items

Sign up for CS account

Sign up for Piazza

Sign up for Gradescope

Immediate Action Items

Sign up for CS account

Sign up for Piazza

Sign up for Gradescope

Setup the programming environment

Immediate Action Items

Sign up for CS account

Sign up for Piazza

Sign up for Gradescope

Setup the programming environment

Fill out the questionnaire available on Gradescope

Immediate Action Items

Sign up for CS account

Sign up for Piazza

Sign up for Gradescope

Setup the programming environment

Fill out the questionnaire available on Gradescope

Complete the SI poll