

1.

YACS

SPRING 2021

Schedule

Explore

YACS / Explore / CSCI / CSCI-1200

DATA STRUCTURES

CSCI-1200

5/6 Sections Open

4 Credits

Prerequisite: CSCI-1100 or permission of instructor.

FALL 20XX

Section 1

10:00AM

Section 2

12:00PM

Section 3

2:00PM

...

...

...

...

Section N

6:00PM

SPRING 20XX

Section 1

10:00AM

Section 2

12:00PM

Section 3

2:00PM

...

...

...

...

Section N

6:00PM

hover

Programming concepts: functions, parameter passing, pointers, arrays, strings, structs, classes, templates. Mathematical tools: sets, functions, and relations, order notation, complexity of algorithms, proof by induction. Data structures and their representations: data abstraction and internal representation, sequences, trees, binary search trees, associative structures. Algorithms: searching and sorting, generic algorithms, iterative and recursive algorithms. Methods of testing correctness and

2.

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Programming concepts: functions, parameter passing, pointers, arrays, strings, structs, classes, templates. Mathematical tools: sets, functions, and relations, order notation, complexity of algorithms, proof by induction. Data structures and their representations: data abstraction and internal representation, sequences, trees, binary search trees, associative structures. Algorithms: searching and sorting, generic algorithms, iterative and recursive algorithms. Methods of testing correctness and measuring performance.

Section 1

10:00AM

12/50

Section 2

12:00PM

27/50

Section 3

2:00PM

35/50

PROFESSOR:NAME

Average Difficulty:

Average Workload:

Textbook:

Office Hours:

Email: