

COURSE DESCRIPTION

Department and Course Number	CS490	Course Coordinator	Russ Abbott
Course Title	Computer Science Recapitulation	Total Credits	2

Current Catalog Description:

A recapitulation of the primary concepts of Computer Science in preparation for the Major Field Achievement Test

Textbook:

No textbook is required.

References:

Rudman, Jack. *Computer Science, National Learning Corporation,*

Course Goals:

- To review the primary concepts of computer science and prepare students to take the MFAT or GRE.

These course goals contribute to the success of **Student Learning Outcomes 1, 4, 5, and 6.**

Prerequisites by Topic:

- The undergraduate curriculum

Major Topics Covered in the Course:

- All core topics in the undergraduate curriculum

Laboratory Projects (specify number of weeks on each):

None

Estimate Curriculum Category Content (Quarter Hours)

Area	Core	Advanced	Area	Core	Advanced
Algorithms	.25		Data Structures	.25	
Software Design	0.5		Prog. Languages	0.5	
Comp. Arch.	0.5				

Oral and Written Communications:

The students are required to prepare answers to sample GRE Computer Science questions and present them in class.

Social and Ethical Issues:

No significant component.

Theoretical Content:

- The undergraduate curriculum

Problem Analysis:

Students are required to prepare answers to sample MFAT questions and to present them in class. These questions range over the entire undergraduate curriculum and require analysis skills covered by that material.

Solution Design:

Students are required to prepare answers to sample MFAT questions and present them in class. These questions range over the entire undergraduate curriculum and require design skills covered by that material.