



THE UNIVERSITY OF
MEMPHIS™

Honors Hall
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Course & Section: EECE 4278-001 Credit Hours: 3 Semester/Year: Fall 2017
(ex: ENGL 1101-001)

Student: David Rosenberg

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Instructor: Ankita Mohapatra

Instructor's Email: mhapatra@memphis.edu

1. What is the rationale for taking this course on a contract basis?

I am particularly interested in coding & software development. The skills & understanding required for this project will help to build a foundation in these areas.

2. Describe the Honors component of the course, discussing both the nature of the project and the way in which this project constitutes "Honors." Be as specific as possible in describing what it is you will do, including references to specific readings and/or methodologies where appropriate. You may attach additional materials, such as a bibliography, outline, etc. to lend additional detail.

The honors component will be a computer programming project written in Python & JavaScript. The application will accept MIPS assembly code as input, then display as output the equivalent binary & hexadecimal machine codes. The program should also ...
→ cont'd on back →

3. How does the Honors component differ from normal course expectations? Will the Honors component substitute for a regular course requirement?

The regular class curriculum thoroughly covers machine code & MIPS assembly conversions; however, writing the programs to do this are not. This project & presentation will be in addition to regular course expectations & coursework.

Signatures of Agreement and Approval

David Rosenberg
Student Signature

[Signature]
Faculty Signature

Approved by: [Signature]
Instructor's Department Head or Departmental Honors Coordinator

[Signature]
Hardin Honors Director

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... be able to take machine code as input & go back to MIPS assembly code. The user interface of the program will be web-based. The deliverables will be the completed program, as well as a presentation of the program for the class.