

MUPP 350 – Basic Electronic
Credits: 2.0
Shenandoah Conservatory – Fall 2010

General Education designations:
None

Contact Information:

Instructor: Adam Olson
Office: Ruebush 137
Office Telephone: 540-545-7285
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Office Hours: Posted outside office door
Class Website: su.studioprime.com

Course Description:

Covers basic electronic components, electricity, Ohms Law, parallel and series circuits, and various troubleshooting techniques. This class is a prerequisite for Studio Maintenance & Repair MUPP 353.

Course Prerequisites:

MUPP 151 & 152

Foundation:

Applied study demonstrated the following aspects of the Shenandoah Conservatory mission statement: "...increases a person's ability to utilize language, to think critically and creatively, to become problem solvers by developing reasoning skills ..."

Course Objectives:

Upon completion of this course, the student should be able to demonstrate understanding of the materials described under "Course Description" and be able to communicate that understanding as appropriate.

Instructional Materials:

- "Electronic Projects for Musicians" by Craig Anderton 1980 ISBN: 0825695023 - \$29.95
- Electronic Playground 50-in-one Item model number: EP-50 by Elenco - \$26.25
- Cables in a bag \$43.75
- Scientific calculator - \$10-\$25

Not in bookstore:

- Digital Multimeter (Vastech 3-Digital Multimeter Model #DT830B is \$10-\$20) any digital multimeter will due.
- Soldering iron with holder (not a soldering gun)
- Electric solder with rosin core (avoid anything over .05 diameter)
- Goggles
- Wire strippers and dykes

Please bring Electronic Playground, calculator and multimeter to class every week unless otherwise stated. A simple scientific calculator is all that will be allowed during test (i.e. no phone calculator or calculators that text can be programmed)

Observance of copyright law is expected of all faculty, staff and students. All persons using copyrighted materials must become familiar with the requirements of the U.S. Copyright Act of 1976, including current supplements.

A summary of copyright law requirements is available, along with a list of sources of copyright information, on page 33 of the Applied Music Policies and Procedures manual, available at <http://www.su.edu/Applied-and-Procedures-Manual-09.pdf>.

Attendance Policy:

Only absences cause by official travel arranged by the University constitute an excused absence. It is the student's responsibility to mark themselves as tardy on the roll, students not recording tardiness will receive an unexcused absence for the day. Students are also responsible for checking email once every 24 hours Monday-Friday. Tardiness beyond 15 minutes or being tardy three times constitutes an absence. Students will be dismissed from class for the day if cell phone rings during class. No participation credit will be given to tardy students. **No more than two unexcused absences before grade will be lowered to an F.**

Make-up Policies:

All assignments not turned in at the beginning of class on due date will be given half credit of the graded score. Assignments more than two weeks late will not be given credit.

Course Requirements

- 20% Papers:
 - Assignment 1 – 10%
 - Assignment 2 – 10%
- 10% Quizzes:
 - Quiz 1 – 5%
 - Quiz 2 – 5%
- 20% Cable Project:
 - Cable in a bag MIDI to XLR
- 40% Exams:
 - Mid-term 15%
 - Final 25%
- 10% Class participation & attendance:

Basis for Evaluation:

Details of assignments will be discussed or handed out in class.

Grading scale:

A+ = 97% - 100%	B+ = 87% - 89%	C+ = 77% - 79%	D+ = 67% - 69%	F = 0% - 59%
A = 94% - 96%	B = 84% - 86%	C = 74% - 76%	D = 64% - 66%	
A- = 90% - 93%	B- = 80% - 83%	C- = 70% - 73%*	D- = 60% - 63%	

*A grade of "C-" is required to pass this class.

Honor Code:

All students at Shenandoah University are responsible for upholding the Honor Code. The Honor Code is a system of conduct that reflects the core principles and values that the University has established regarding individual responsibility and matters involving honorable conduct. Violations of the Honor Code include the following general areas: cheating, plagiarism, falsification, tampering with records, forgery, and withholding information. It is every student's responsibility to report any violations that he or she observes to the professor or the Honor Court. Please see the Student Handbook for more specific information.

Disclosure of Disability:

If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please notify me within the first two weeks of the semester by making an appointment with me as soon as possible. In addition, if you need classroom accommodations, please contact the Coordinator of 504/ADA Services.

Health Issues:

Students are expected to maintain a state of health that permits them to function in the instruction offered. Proper nutrition and adequate rest form the basis for this condition.

FERPA (aka Buckley Amendment)

In compliance with the Family Educational Rights and Privacy Act of 1974, students 18 years of age or older must authorize contact between faculty members and their parents/guardians. Forms are available in the Conservatory Office and must be signed prior to any discussions between faculty members and student parents/guardians.

Liability:

Students are responsible for protecting their personal instruments, music and other equipment, as well as Shenandoah University property checked out or assigned to them. When transport of personal equipment or instruments is necessary, reasonable care will be provided by Shenandoah University. Damages will be covered only when negligence on the part of Shenandoah University can be demonstrated. Shenandoah University assumes no responsibility for student-owned instruments and equipment left unattended in an unsecured site. All students are urged to insure their possessions against theft and damage.

Due Dates*

August 31st – Chapter 1

September 7th – Chapter 2

September 14th – Chapter 3

September 21st – Chapter 4, Assignment 1, & Quiz 1

September 28th – Chapter 6

October 5th – Mid-term

October 19th – Chapter 7

October 26th – Quiz 2

November 2nd – No Class – AES

November 16th - Assignment 2 Due, Soldering in Class Bring Equipment and Cables

November 23rd – Cable Solder Projects Due

November 30th – Review

Final @ 10:30AM on Tuesday, 12-7-10

*Other reading to be handed out and announced in class

I have received, read, and understand the nature of and requirements for:

MUPP 350 – Basic Electronic

Name Print: _____

Signature _____ Date _____