

# Three Rivers Community College

## Course Outline Spring 2014

**COURSE:** K105/106 (CRN 12168/10706); 3 credits

**CLASS MEETING TIME:** M/W 10:00 pm – 12:05 pm

**CLASS MEETING PLACE:** B229

**INSTRUCTOR:** George J. Lyman, *Esq., P.E.*

**OFFICE:** B229, Phone (860)-388-1149, E-mail: glyman@mcc.commnet.edu

**OFFICE HOURS:** Before and after class

**COURSE DESCRIPTION:** Students will be introduced to. Class: 3 hours per week.

**PREREQUISITES:**

**TEXT:** Optional

**ATTENDANCE:** For you to do well, attendance is essential. You are responsible for keeping abreast of all class announcements, hand-outs and assignments. There will be no punitive measures for absenteeism except for scheduled exams. *Attendance will be taken for on test dates.* Missed quizzes, or tests will receive zero credit. No make-up Lab, Quiz, or Test will be given unless necessitated by a documented medical or family emergency (see below).

**WITHDRAWAL:** You may withdraw at any time on or before **xxxx, 2014** without penalty. Withdrawal after **xxxx, 2013** will earn a 'W' or 'F' at the discretion of the instructor. It is entirely the responsibility of the student to initiate and complete any paperwork necessary for a withdrawal to be allowed.

**INCOMPLETE:** Faculty are **not** required to honor a request for an incomplete grade. If you have completed virtually all of the course and have a passing grade, you are eligible to *request* an incomplete. Any incomplete that is assigned will be done in accordance with the college policy, as stated in the MCC catalog. It is entirely the responsibility of the student to initiate and complete any paperwork necessary for an incomplete request to be honored.

**AUDIT:** Audit status allows you to sit in on a course without being required to meet the examination requirement of the course. If you wish to change from credit to audit status, you must request this from the Registrar's office within the first four weeks of the course. It is entirely the responsibility of the student to initiate and complete any paperwork necessary for an audit to be awarded.

**LABORATORY:**

**EXAMS:** Exams will cover material from previous lectures and labs. They may be given as a take-home, online, or in class. If you miss an exam you get an **F**. It is completely and entirely YOUR responsibility to take steps to remove the **F**. You do NOT have the automatic right to take a make-up exam. You MUST provide me

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with convincing evidence that you cannot or could not make it to the exam. Merely saying ‘I was sick’ or ‘My car wouldn’t start’ is not enough. If you are too sick to make it to an exam, then you **MUST** provide a note from a doctor to that effect. If you have to miss an exam for reasons other than illness (e.g. work related travel) you must inform me of this fact prior to the day of the exam and provide proof thereof. Scheduling of a makeup exam is entirely at my discretion and convenience. *Legitimate* reasons for missing an exam will be accepted, but the burden of proof is entirely upon the student.

**HOMEWORK:** Homework will be assigned but not graded. You are urged to do, or at least attempt, the homework.

**ACADEMIC INTEGRITY:** No cheating on any laboratory, test, or quiz will be tolerated. If you are found cheating or if you plagiarize any written work, you will receive an **F** for your final course grade. Please refer to TRCC catalog for a description of plagiarism.

**Computers and Electronic Devices:** You are expected to mute cell phones and other electronic devices while you are in class. Classroom computers are to be on **only** when specifically needed for course purposes. Individuals using the class computers for other than course purposes will be academically penalized.

### **Students with Disabilities**

*If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Disabilities Counseling Services at 383-5240. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Disabilities Counselor.*

The table below gives a tentative schedule for the course. We may adjust or modify the schedule if we find it necessary any time during the semester.

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Date	Chapter, Sections	Lab
M. Jan. 27	Ch. 1: Ckt components, equipment; units eng. notation	
W. Jan. 29	Ch. 2: Charge, Current, Voltage, Resistance	
M. Feb. 3	Ch. 3: Pots., Sources Ch. 4: Ohm's Law, Power	
W. Feb. 5		1 & 2. (No report)
M. Feb. 10	Ch. 5: Series Ckts., KVL, VDR, $R_{tot}$ .	
W. Feb. 12		3. Ohm's Law
M. Feb. 17	<b>No Class</b>	
W. Feb. 19		Problem Solving
M. Feb. 24	Ch. 6: Parallel Ckts, KCL CDR, $R_{tot}$ .	
W. Feb. 26		4. Series, Power, KVL, VDR
M. Mar. 3	Ch. 7: Series/Parallel Ckts, Ckt loading, Wheatstone Br.	
W. Mar. 5		5. Parallel, KCL, KCL
M. Mar. 10	Ch. 10/11: Inductors, Lenz's Law	
W. Mar. 12		5. Open, Short Ckts
M. Mar. 17	<b>Spring Break</b>	
W. Mar. 19	<b>Spring Break</b>	

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M. Mar. 24	Ch. 12: Capacitors, DC response	
W. Mar. 26		6. Capacitors in DC
M. Mar. 31	Ch. 13: AC Ckts	
W. Apr. 2		7. AC Ckts
M. Apr. 7	Ch. 14/15: RL Ckts	
W. Apr. 9		8. Cap. Reactance
M. Apr. 14	Ch. 16/17: RC Ckts	
W. Apr. 16		9. Diodes
M. Apr. 21	Transistors	
W. Apr. 23		10. CE Amplifier
M. Apr. 28	Ch. 23: DC machines	
W. Apr. 30		11. Power Supply
M. May 5	Ch. 21: Transformers	
W. May 7		
M. May 12		
W. May 14		