

SEMESTER
E-Learning Student Information



You do **NOT** need to e-mail your instructor to gain access to an E-Learning course using Angel (our replacement for Blackboard). GCCC Information Services automatically adds you when you register granting you access on the first day of class.

- ◆ Faculty may not respond to email until after the formal orientation date. Please allow at least 4 days for faculty replies.
- ◆ Contact the E-Learning Department at 850-872-3854 for additional help and information.
- ◆ Courses are available on **ANGEL** <http://angel.gulfcoast.edu> on the first day of class.

Course Title

Course Number: 2542C

Section:

Format: *Hybrid*

Department: Business and Technology

Text/Materials: *Programmable Logic Controllers Hardware and Programming by Max Rabiee 2002*

Description: *Pre-requisite: CET 1114C Digital Circuits. This course covers the application, servicing, and troubleshooting of programmable logic controller circuits. The Allen-Bradley Micrologic 1500 PLC processor with RSLOGIX 5/500 software is applied to control applications involving rung programming, sequencers, timers, counters, data manipulations instructions, math instructions, file-to-file moves, and communications using A/B Data Highway. Laboratory experiences include the design and troubleshooting of ladder logic programs with interfacing to hydraulics, pneumatics, and electrical sensors such as relays, limit switches, photo sensors, proximity detectors, pressure switches, solenoid valves, and a pneumatic pick-and-place robot for industrial applications.*

Credits: 4

Instructor: Dean Eavey

Office:

Instructor Email: deavey@gulfcoast.edu

Instructor Phone: 850/872-3875

Orientation: *Time/Date and Location*

Assessment: *Time/Date and Location*

Syllabus: *Available through Angel on the first day of class.*