

SYLLABUS PART II
EDISON COMMUNITY COLLEGE
ELT 251S Advanced
Programmable Logic
Controllers
3 CREDIT HOURS

Section/Term:	ELT-251S-001US
Class Meeting Time:	Mondays and Wednesdays 5:30 to 9:10pm
Location:	Darke County Campus Room 230
Required items:	Nothing
Faculty:	Professor David Barth Masters: Electrical Engineering Michigan Technological University Feb. 1995
E-mail:	dbarth@edisonohio.edu
Faculty Phone:	937-778-7938
Faculty Office Hours:	Darke County Campus Room 230, MW 4:30 p.m. – 5:30 p.m.
Faculty Contact:	If you have questions or concerns, please contact me via email with the course name and number in the subject line (ELT 251 001US) through your Edison State email. You are welcome to set up an appointment to meet virtually via Teams or Zoom or stop by my office.

Class Policies

Netiquette:

We will be communicating a lot with each other. You will need to be respectful of the instructor and each other. Your classmates' ideas and beliefs may differ from your own, be polite! When in doubt, you can agree to disagree. You will be expected to communicate with your classmates and your instructor using appropriate language and style, which includes written/typed communication. Remember: the way you communicate can reflect the level of respect you have the people with whom you communicate. You will want to practice good e-mail etiquette when typing questions/responses to the instructor and classmates, such as avoiding using all caps when typing or using an accusatory tone.

Communication Policy:

E-mails sent to me by 4:00 p.m. Monday-Friday with course name and section number (ELT 151 001US in the subject line from your Edison e-mail will be answered within 48 hours unless the school is closed (breaks/holidays). **All assignments must be submitted to the instructor in class for immediate grading.**

Late Work:

All work should be submitted on time. If you have to miss class contact the instructor to arrange lab time to complete the assignment.

Academic Integrity:

Edison Community College expects students to submit original work for each assignment. The Student Handbook

<https://www.edisonohio.edu/digipub/StudentHandbook/index.html> , pages 28-29 clearly defines academic dishonesty and how Edison handles cases of academic dishonesty.

Using peer support and tutoring services is not considered academic dishonesty, as long as the work is original and in your own voice, meaning you didn't submit work you did previously or "borrow" words/ideas without crediting the source

Testing Your Faith Act Policy

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form, <https://www.edisonohio.edu/services-support/registration-records>, located in "Forms" and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at <https://www.edisonohio.edu/services-support/student-resources>.

Technical Support

For Blackboard Assignment issues, the Instructor should be the first point of contact

For Log-in or other technology issues:

There are several steps you can follow if you have issues logging in to Blackboard or Office.

During business hours:

- Password reset: Log onto office.com with your Edison email and follow the "forgot password" prompts.
- Reach out for help during regular business hours (9-5 Monday-Thursday, 9-4 Friday)
 - email to support@edisonohio.edu
 - call 937-778-8600 and ask for IT Help Desk

After hours:

- Password reset: Log onto office.com with your Edison email and follow the "forgot password" prompts
- Go to www.edisonohio.edu into the Resources tab and click "IT Help Desk" then click "Chat".
- Call 937-778-7957 and talk to the off-campus Blackboard company to get help.

Grading*

Function Block/Structured Text	50 points
Automation Cell (1st machine)	100 points
Automation Cell (2nd machine)	100 points
Automation Cell (3rd machine)	100 points
Automation Cell (4th machine)	100 points
Baseball Scoreboard program	100 points

Station HMI Simulation	100 points
Sequential Function Chart	100 points
Produced and Consumed Tags	50 points
Total	800 points

Grading Scale*



- A = 90 – 100%
- B = 80 – 89%
- C = 70 – 79%
- D = 60 – 69%
- F = 59% and Below

Class Schedule

***Assignments are due at the end of class each day.**

Week 1 6/8 -6/10

Assignments Due 6/8- Function Block/Structured Text

Week 2 6/15 -6/17

Assignments Due 6/15- Automation Cell (Station 1)

Week 3 6/22-6/24

Assignments Due 6/22- Automation Cell (Station 2)

Week 4 6/29-7/1

Assignments Due 6/29- Automation Cell (Station 3)

Week 5 7/6-7/8

Assignments Due 7/6- Automation Cell (Station 4)

Week 6 7/13-7/15

Assignments Due 7/13- Baseball Scoreboard

Week 7 7/20-7/22

Assignments Due 7/20- Station HMI Simulation

Week 8 7/27-7/29

Assignments Due 7/27- Sequential Function Chart

Assignments Due 7/29- Produced and Consumed Tags