

Providence Career & Technical Academy

General Construction 3

Syllabus

Instructor Name: Rick Goyette

Time Frame: 2019-2020

Email:

Course Description Students will continue with the LiUNA Chapter 74 framework with a heavy focus on Strand 2 and skills that will be evaluated during both the masonry and welding SkillsUSA competition.

Common Core Standards Addressed:

CTE Strand	Conceptual Category and Domain Code Learning Standard Number	Text of Mathematics Learning Standard
2.B.01	N-Q1 G-SRT1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays. Verify experimentally the properties of dilations given by a center and a scale factor.
2.C.01	G-GPE7	Use coordinates to compute perimeters of polygons and areas of triangles and rectangles, using the distance formula.
2.F.01	N-Q1	Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.
2.L.01	2. Energy Resources in the Earth System 2.2	Describe the effects on the environment and on the carbon cycle of using both renewable and nonrenewable sources of energy.

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Required Textbooks, Reading and Supplementary Materials

- LiUNA training manuals to be provided in class and for homework by assignment.
- Teachweld Welding Simulator to be used in class
- Bergwall Masonry Series Videos
- Khan Academy
- John Deere Simulator Trainers

Assignment and Examination Schedule

Assignment	Date/Hours
Introduction to Senior Project	8hours
Project Based Learning Greenhouse	30 hours
Construction Problem Solving	4 hours
LiUNA Block 1	12 hours
Quarter 1 Mid Term	October 10 th
Project Based Learning Greenhouse	14 hours
Senior Project Research	15 hours
LiUNA Block 2	18 hours
Quarter 1 Final Exam	Nov 6 th
Skills USA Tasks Masonry	40 hours
Skills USA Tasks Teamworks	40 hours
Quarter 2 Mid Term	Dec 12 th
Project Based Learning Greenhouse	30 hours
Skills USA Competition or Alternative	5 hours
Quarter 2 Final Exam	Jan 22 nd
OSHA 30	30 hours
Senior Project Paper	12 hours
Project Based Learning Greenhouse	12 hours
Quarter 3 Mid Term	March 13 th
	10 hours
Senior Project Field Work	32 hours
Project Based Learning Greenhouse	24 hours
Quarter 3 Final Exam	March 29 th
College / Work Preparation	20 hours
Project Based Learning Greenhouse	50 hours
Quarter 4 Mid Term	May 13 th

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Senior Project Field Work/Presentation	40 hours
Quarter 4 Final Exam	June 2nd

Grading Policy:

Students are encouraged to come to class prepared, do their homework and participate in all class activities. However in an effort to measure students true knowledge only assessments will be used to calculate the score of all students. Assessments are end of units, end of chapters, projects, tests and quizzes. Summative assessments are worth **65%** and formative assessments are **20%** of students' final grade. Homework, and Employability Skills will be counted as **15%** of the assessment that it supports. Employability Skills are defined as those necessary to attain and maintain employment. These skills include timeliness, in uniform, and maintaining safety at all times. Any student who obtains a score of less than 70% in any classroom assessment will be qualified to retake the assessment *only after he/she completes all necessary preparatory assignments. Employability Skills are assessed over the course of each week in shop and while the grade can always be improved it can't be replaced.*

Project Based Learning:

The school has adopted Project Based Learning as a best practice where several academic and CTE standards are addressed, taught, and assessed. There may be times during the year where projects incorporate several objectives and the course will not take on a linear trajectory. Rest assured these projects create a "need -to-know" environment where academic subjects and CTE skills are highlighted as relevant in every-day construction tasks.