



Central
North
South
SVI

INT108 - Intro. to Blueprint Reading for Construction

Document Type: District Master Course Outline
Proposal Type: New Course
Requester(s): Karen L Whitney Holly Moore Danette Randolph
College: South
Origination Approved: 11/07/2012 - 1:22 PM

BASIC INFORMATION

Requester(s): Karen L Whitney
Holly Moore
Danette Randolph
College: South Seattle Community College
Division/Dept: Apprenticeship-GT Campus
Dean: Holly Moore

COURSE INFORMATION

Proposed Course Number:

Prefix: **INT** Number: **108**

- Request a new Prefix
 This will be a common course

Full Title: Intro. to Blueprint Reading for Construction

Abbreviated Title: Intro Blueprint Reading

Catalog Course Description:

This is an introductory course designed to prepare students to identify, read and interpret construction drawings. The course will be delivered from an applied perspective with an emphasis on understanding the processes involved in construction and interpreting them from drawings.

Course Length: 11 Weeks Request an Exception

Topical Outline:

Topical Outline:

Drawing Types – An Overview

1. Over view of the construction industry and the context of where and how plans are used.
2. Blue Print Components
3. Types of Drawings
4. Interpret Elements of Blueprint Drawings
5. Abbreviations, Symbols and Hatchings
6. Foundations – Types
7. Exterior Finishes
8. Interior Finishes

- 9. Detailed Drawing
 - a. Section Details
 - b. Isometric drawings depicting details
- 10. Reading Site Plans

COURSE CODING

Funding Source: 1.....State
Institutional Intent: 21.....Vocational Preparatory

This Course is a requirement for the following program(s):
 (No Programs Selected)

My Course Proposal is a requirement for a program not on this list

Will this course transfer to a 4-year university? **No**

Is this course designed for Limited English Proficiency? **No**

Is this course designed for Academic Disadvantaged? **No**

Does this course have a Workplace Training component? **No**

CIP Code: 47.0303 Request Specific CIP Code
EPC Code: 768 Request Specific EPC Code

Credits:
Will this course be offered as Variable Credit? **No**

List Course Contact Hours	
Lecture (11 Contact Hours : 1 Credit)	22
Lab (22 Contact Hours : 1 Credit)	22
Clinical Work (33 Contact Hours : 1 Credit)	0
Other (55 Contact Hours : 1 Credit)	0
 Total Contact Hours	 44
Total Credits	3

COLLEGE SUPPLEMENTAL

Proposed Quarter of Implementation: Winter 2013 Request Provisional Exception

Class Capacity: 20

Modes of Delivery: (Check all that apply)

- Fully On Campus
 Fully Online
 Hybrid
 Other Explanation:

Class Schedule Description:

This is an introductory course designed to prepare students to identify, read and interpret construction drawings. The course will be delivered from an applied perspective with an emphasis on understanding the processes involved in construction and interpreting them from drawings.

Student Learning Outcomes:

Communication

Read and listen actively to learn and communicate

Describe and utilize manufacturing techniques, tools and safety practices

Computation

Use arithmetic and other basic mathematical operations as required by program of study

Identify notes and dimensions on blueprints

Human Relations

Use social interactive skills to work in groups effectively

Interpret symbols and abbreviations found on drawings

Critical Thinking and Problem-Solving

Think critically in evaluating information, solving problems, and making decisions

Visualize three-dimensional objects while viewing two-dimensional drawings.

Technology

Select and use appropriate technological tools for personal, academic, and career tasks

Perform layouts based on information interpreted from the drawings

Information Literacy

Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society

Identify notes and dimensions on blueprints to successfully complete objectives

Program Outcomes:

PROGRAM OUTCOMES

At the end of the program the graduates will:

- Describe and utilize manufacturing techniques, tools and safety practices.

(SLO 1, 2, 3, 4, 5, 7)

- Apply the concepts of diversified manufacturing, CPR, First AID and Electronics to promote quality and safe production and designs. (SLO 1,2,3,4,7)
- Employ the appropriate actions regarding workplace culture, safety and industry standards; (SLO 3, 6)
- Evaluate one's own capabilities and limitations, identify individual needs of continued growth is able to seek consultation from superiors. (SLO 3, 6)
- Communicate effectively and appropriately in the workplace. (SLO 1, 3, 4, 6)
- Practice within the standards established by the profession, and identify the parameters of accountability. (SLO 2, 4, 5, 6, 7)

Course Outcomes/Objectives:

Objectives:

1. Read and interpret constructions drawings and site plans
2. Identify the components of a blueprint
3. Identify notes and dimensions on blueprints
4. Interpret symbols and abbreviations found on drawings
5. Interpret drawing elements regarding layout plan, production and inspection
6. Perform layouts based on information interpreted from the drawings
7. Visualize three-dimensional objects while viewing two-dimensional drawings.

Explain the student demand for the course and potential enrollment:

This course is part of the required curriculum for the Industrial Manufacturing Basics Short-Term Training Certificate

Explain why this course is being created:

This course is part of the required curriculum for the Industrial Manufacturing Basics Short-Term Training Certificate

What challenges, if any, do you foresee in offering this course:

None foreseen at this time

This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.

Faculty involved in originating this program:

Karen L Whitney Print Name	<i>Karen L Whitney</i> Signature	11/5/2012 Date
Holly Moore Print Name	<i>Holly Moore</i> Signature	11/5/2012 Date
Danette Randolph Print Name	<i>Danette Randolph</i> Signature	11/5/2012 Date

Dean:

Holly Moore Print Name	<i>Holly Moore</i> Signature	11/7/2012 Date
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Results of SSCC Curriculum Coordinating Council Findings

Participating Faculty Response and Remarks

- Recommended for approval
- Not recommended for approval
- This course did not go through Committee Review

Chairman, Curriculum Coordinating Council:

_____	_____	_____
Print Name	Signature	Date

Vice President for Instruction:

Donna Miller-Parker Print Name	<i>Donna Miller-Parker</i> Signature	11/7/2012 Date
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