

COURSE OUTLINE: MTF101 - BLUEPRINT READING

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Approved: Corey Meunier, Dean, Technology, Trades, and Apprenticeship

Course Code: Title	MTF101: APPLIED BLUEPRINT READING		
Program Number: Name	4051: METAL FABRICATION 4053: WELDING TECHNIQUES		
Department:	IRONWKR APPR./WELDING RELATED		
Academic Year:	2024-2025		
Course Description:	Perform drawings, common views, and basic drafting and sketching operations as applied to the welder/fabricator programs.		
Total Credits:	3		
Hours/Week:	3		
Total Hours:	42		
Prerequisites:	There are no pre-requisites for this course.		
Corequisites:	There are no co-requisites for this course.		
This course is a pre-requisite for:	MTF130, MTF140		
Vocational Learning Outcomes (VLO's) addressed in this course: Please refer to program web page for a complete listing of program outcomes where applicable.	 4051 - METAL FABRICATION VLO 1 Interpret blueprints and produce basic drawings and bills of materials. VLO 7 Complete all work in compliance with health and safety legislation and prescribed organizational practices and procedures to ensure safety of self and others. 4053 - WELDING TECHNIQUES VLO 1 Perform work responsibly and in compliance with the Occupational Health and Safety Act. VLO 2 Interpret engineering drawings and blueprints and produce basic graphics as required by industry. VLO 3 Recognize and understand use of welding symbols. VLO 4 Use layout and fabrication processes typical to the industry to determine correct form with accuracy. VLO 5 Select appropriate tools and devices to perform mathematical calculations and technical measurements for successful completion of a project. 		
Essential Employability Skills (EES) addressed in this course:	EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication. EES 3 Execute mathematical operations accurately. EES 4 Apply a systematic approach to solve problems. EES 6 Locate, select, organize, and document information using appropriate technology		



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		and information sys			
	EES 8	Show respect for th others.	e diverse opinions, values, belief systems, and contributions of		
	EES 9		in groups or teams that contribute to effective working e achievement of goals.		
	EES 10	Manage the use of	time and other resources to complete projects.		
	EES 11	Take responsibility	for ones own actions, decisions, and consequences.		
Course Evaluation:	Passing Grade: 50%, D				
	A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.				
Other Course Evaluation & Assessment Requirements:	1.Late ha	and in penalties will b	e -10% per day.		
	1.Late hand in penalties will be -10% per day. 2.If a student misses a test, he/she must have a valid reason (i.e. medical or family emergency documentation shall be required). In addition, the instructor MUST be notified PRIOR to the test sitting. If this procedure is not followed the student will receive a mark of zero on the test with no make-up option. 3.Re-writes are NOT allowed for any written assignment, quiz or test. 4.Course attendance is mandatory. Any student that is not present for the first 3 classes in each course, will be deemed to have not completed the required safety orientation for the course and will not be permitted to continue. One percent (1 %) per hour will be deducted from the final course grade for unexcused* absence. Any unexcused attendance beyond 15% of the total allocated course hours will result in the student receiving a failing grade for the course.				
	Valid reasons would include: Doctors note Family Death or Serious Illness supported by a written note.				
	Unexcused absence* will be determined in a case by case basis by the instructor of each course.				
Books and Required Resources:	CWB Post Secondary Package by CWB Education Publisher: CWB Group IPT's Guide To Blueprint Interpretation by Grant E. Jacobs Publisher: IPT Publishing & Training Ltd.				
	Drafting Supplies available at bookstore				
Course Outcomes and	Course	Outcome 1	Learning Objectives for Course Outcome 1		
Learning Objectives:		drawings, common	Learning Objectives #1:		
	views and basic drafting and				
	sketchin applied	g operations as to the	1.1. Identify the alphabet of lines 1.2. Explain the purpose of drawings		



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Evaluation Process and
Grading System:

Evaluation Type	Evaluation Weight
Drawing Assignments	80%
Tests	20%

Date:

July 12, 2024

Addendum:

Please refer to the course outline addendum on the Learning Management System for further information.

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