

ARCHITECTURAL DESIGN 1 AND 2
COURSE CODE: 6170, 6171
STUDENT PROFILE

STUDENT'S NAME		TEACHER'S NAME			
School Year/Semester	Date Began	Date Completed	Grade		
Directions: Document student's progress using the applicable rating scales below: Enter date of completion under the appropriate column.					
0 - Has not received instruction in this area / no experience or knowledge of this task (N/A) 1 – Can apply and perform independently (80-100) 2 – Can perform the task completely with limited supervision (70-79) 3 – Requires additional instruction and or close supervision (60-69)					
A. SAFETY		0	1	2	3
1	Review school safety policies and procedures.				
2	Review classroom safety rules and procedures.				
3	Review safety procedures for using equipment in the classroom.				
4	Identify major causes of work-related accidents in office environments.				
5	Demonstrate safety skills in an office/work environment.				
B. STUDENT ORGANIZATIONS		0	1	2	3
1	Identify the purpose and goals of a Career and Technology Student Organization (CTSO).				
2	Explain how CTSOs are integral parts of specific clusters, majors, and/or courses.				
3	Explain the benefits and responsibilities of being a member of a CTSO.				
4	List leadership opportunities that are available to students through participation in CTSO conferences, competitions, community service, philanthropy, and other activities.				
5	Explain how participation in CTSOs can promote lifelong benefits in other professional and civic organizations.				
C. TECHNOLOGY KNOWLEDGE		0	1	2	3
1	Demonstrate proficiency and skills associated with the use of technologies that are common to a specific occupation (e.g., keying speed).				
2	Identify proper netiquette when using e-mail, social media, and other technologies for communication purposes.				
3	Identify potential abuse and unethical uses of laptops, tablets, computers, and/or networks.				

4	Explain the consequences of social, illegal, and unethical uses of technology (e.g., cyber bullying; piracy; illegal downloading; licensing infringement; inappropriate uses of software, hardware, and mobile devices in the work environment).				
5	Discuss legal issues and the terms of use related to copyright laws, fair use laws, and ethics pertaining to downloading of images, photographs, documents, video, sounds, music, trademarks, and other elements for personal use.				
6	Describe ethical and legal practices of safeguarding the confidentiality of business-related information.				
7	Describe possible threats to a laptop, tablet, computer, and/or network and methods of avoiding attacks.				
8	Evaluate various solutions to common hardware and software problems.				
D. PERSONAL QUALITIES AND EMPLOYABILITY SKILLS		0	1	2	3
1	Demonstrate punctuality.				
2	Demonstrate self-representation.				
3	Demonstrate work ethic.				
4	Demonstrate respect.				
5	Demonstrate time management.				
6	Demonstrate integrity.				
7	Demonstrate leadership.				
8	Demonstrate teamwork and collaboration.				
9	Demonstrate conflict resolution.				
10	Demonstrate perseverance.				
11	Demonstrate commitment.				
12	Demonstrate a healthy view of competition				
13	Demonstrate a global perspective.				
14	Demonstrate health and fitness.				
15	Demonstrate self-direction.				
16	Demonstrate lifelong learning.				
E. PROFESSIONAL KNOWLEDGE		0	1	2	3
1	Demonstrate effective speaking and listening skills.				
2	Demonstrate effective reading and writing skills.				
3	Demonstrate mathematical reasoning.				
4	Demonstrate job-specific mathematics skills.				
5	Demonstrate critical-thinking and problem-solving skills.				

6	Demonstrate creativity and resourcefulness.				
7	Demonstrate an understanding of business ethics.				
8	Demonstrate confidentiality.				
9	Demonstrate an understanding of workplace structures, organizations, systems, and climates.				
10	Demonstrate diversity awareness.				
11	Demonstrate job acquisition and advancement skills.				
12	Demonstrate task management skills.				
13	Demonstrate customer-service skills.				
F. INTRODUCTION TO DRAFTING TECHNIQUES		0	1	2	3
1	Identify alphabet of lines to include line weight (thickness).				
2	Create multi-view drawings.				
3	Utilize hand lettering techniques to neatly add notes and/or dimensions to sketches.				
4	Demonstrate measuring skills using various tools, including an engineering scale.				
G. DEMONSTRATE CAD-SPECIFIC SKILLS		0	1	2	3
1	Identify and utilize elements of the graphical user interface (e.g., ribbon, panels, command line, drop-down menus, and toolbars).				
2	Identify the use of various file formats (e.g., .dwg, .dxf, .dwt, and .bak).				
3	Import and export various data files between formats.				
4	Open and save various file types in a structured directory.				
5	Perform drawing setup to applicable standards (e.g., setting layers, line type, and line weight).				
6	Identify and use display commands (e.g., zoom and pan).				
7	Draw geometric components using straight and curved lines.				
8	Create and modify borderlines and title block.				
9	Modify geometric components (e.g., copy, trim, scale, and stretch).				
10	Modify geometric properties (e.g., layer, color, line weight, and type).				
11	Use inquiry commands to extract drawing data (e.g., list, distance, and area).				
12	Annotate drawings to include text and dimensions.				
13	Create, retrieve, edit, and use symbol libraries.				
14	Utilize paper space and create viewports.				
15	Plot/Print drawing to appropriate scale.				

16	Use software help features.				
H. DEMONSTRATE ARCHITECTURAL DESIGN SKILLS		0	1	2	3
1	Draw floor plans.				
2	Draw foundation plans.				
3	Set and control dimensioning styles.				
4	Dimension various types of architectural plans and details.				
5	Prepare a window and/or door schedule.				
6	Draw exterior elevations.				
7	Draw interior elevations.				
8	Draw roof plans.				
9	Draw various foundation sections (e.g. foundation, floor, wall, or stairs).				
10	Apply standard building codes to architectural plans.				
O. OPTIONAL		0	1	2	3
1	Draw related architectural plans (e.g., mechanical, electrical, or civil).				
2	Evaluate alternative building materials for environmental sustainability.				
3	Prepare and present presentation drawings (e.g., project-based learning and portfolios).				
4	Create 3-D architectural drawings.				