

Mt. Hood Drafting Assessment

This assessment contains 80 items, but only 80 are used at one time.

Drafting

Number of Correlations	Standard Type	Standard
0	Program	1) Drafting
0	Duty	1) A - FUNDAMENTAL DRAFTING SKILLS
4	Standard	1) A001 Use drawing media and related drafting materials.
9	Standard	2) A002 Use basic measurement systems.
1	Standard	3) A003 Add correct annotation to drawing.
1	Standard	4) A004 Identify line styles and weights.
3	Standard	5) A005 Prepare title blocks and other drafting formats.
1	Standard	6) A006 Apply metric and/or dual dimensioning drawing standards.
7	Standard	7) A007 Identify and use appropriate standard symbols.
0	Standard	8) A008 Demonstrate reproduction of originals using different methods.
0	Duty	2) B- FUNDAMENTAL ORTHOGRAPHIC PROJECTIONS
3	Standard	1) B001 Identify, create, and place appropriate orthographic views.
2	Standard	2) B002 Identify, create, and place appropriate auxiliary views.
1	Standard	3) B003 Identify, create, and place appropriate section views.
0	Duty	3) C - FUNDAMENTAL PICTORIAL DRAWINGS
1	Standard	1) C001 Identify and create axonometric drawings.
0	Standard	2) C002 Identify and create oblique drawings.
1	Standard	3) C003 Identify perspective drawings.
0	Duty	4) D - FUNDAMENTAL DIMENSIONING
4	Standard	1) D001 Apply dimensioning rules.
2	Standard	2) D002 Use dimension line terminators.
3	Standard	3) D003 Dimension objects.
1	Standard	4) D004 Dimension complex shapes.
1	Standard	5) D005 Dimension features from a center line.
0	Standard	6) D006 Dimension a theoretical point of intersection.
0	Standard	7) D007 Use dual dimensioning standards.

1	Standard	8) D008 Use size and location dimension practices.
1	Standard	9) D009 Use various dimensioning styles.
0	Standard	10) D010 Place tolerance dimensioning and geometric dimensioning and tolerancing.
0	Duty	5) E - FUNDAMENTAL COMPUTER HARDWARE SKILLS
0	Standard	1) E001 Demonstrate proper care of equipment.
0	Standard	2) E002 Operate and adjust input devices.
1	Standard	3) E003 Operate and adjust output devices.
1	Standard	4) E004 Demonstrate correct handling and operation of storage media.
1	Standard	5) E005 Start and shut down work station.
0	Standard	6) E006 Adjust monitor controls for maximum comfort and usability.
1	Standard	7) E007 Access electronic information services.
0	Duty	6) F - PHYSICAL AND SAFETY NEEDS
0	Standard	1) F001 Demonstrate an understanding of workstation ergonomic considerations.
1	Standard	2) F002 Demonstrate personal safety practices.
0	Duty	7) G - COMPUTER OPERATION SYSTEMS SKILLS
1	Standard	1) G001 Start and exit a software program as required.
1	Standard	2) G002 Demonstrate file management techniques.
0	Standard	3) G003 Format floppy disk.
1	Standard	4) G004 Identify, create, and use directory structure and change directory paths
1	Standard	5) G005 Demonstrate file maintenance and back up procedures.
2	Standard	6) G006 Translate, import, and export data files between formats.
1	Standard	7) G007 Use on-line help.
1	Standard	8) G008 Save drawings to storage devices.
0	Duty	8) H - BASIC CADD CREATE
1	Standard	1) H001 Create a new drawing.
1	Standard	2) H002 Perform drawing setup.
2	Standard	3) H003 Use associative dimensioning.
2	Standard	4) H004 Create geometric figures.
1	Standard	5) H005 Create text using appropriate style and size to annotate drawings.

0	Standard	6) H006 Use and control accuracy enhancement tools.
1	Standard	7) H007 Identify, create, store, and use appropriate symbols/libraries.
0	Standard	8) H008 Create wireframe/solid models.
0	Standard	9) H009 Create objects using primitives.
0	Standard	10) H010 Create 2D geometry from 3D models.
0	Standard	11) H011 Revolve a profile to create a 3D object.
0	Standard	12) H012 Create 3D wireframe models from 2D geometry.
0	Duty	9) I - BASIC CADD
1	Standard	1) I001 Utilize geometry editing commands
1	Standard	2) I002 Utilize non-geometric editing commands.
0	Duty	10) J - BASIC CADD MANIPULATE
1	Standard	1) J001 Control coordinates and display scale.
1	Standard	2) J002 Control entity properties.
1	Standard	3) J003 Use viewing commands.
1	Standard	4) J004 Use display commands.
1	Standard	5) J005 Use standard parts and/or symbol libraries.
1	Standard	6) J006 Plot drawing on media using correct layout and scale.
0	Standard	7) J007 Use layering techniques.
2	Standard	8) J008 Use grouping techniques.
1	Standard	9) J009 Minimize file size.
0	Duty	11) K - ADVANCED CADD CREATE
0	Standard	1) K001 Create wireframe or solid models.
0	Standard	2) K002 Create non-analytic surfaces using modeling.
0	Standard	3) K003 Create analytic surfaces using modeling with planes and analytic curves.
0	Standard	4) K004 Create offset surfaces.
0	Standard	5) K005 Find intersection of two surfaces.
0	Standard	6) K006 Create joined surfaces.
0	Standard	7) K007 Create a fillet or blend between two surfaces.
0	Standard	8) K008 Create feature based geometry.
1	Standard	9) K009 Create cut sections.
0	Standard	10) K010 Construct and label exploded assembly drawings.
0	Standard	11) K011 Perform Boolean operations.

0	Duty	12) L - ADVANCED CADD EDIT
0	Standard	1) L001 Trim surface.
0	Standard	2) L002 Manipulate surface normals.
0	Standard	3) L003 Extend surface.
0	Standard	4) L004 Edit control points.
0	Standard	5) L005 Modify geometry using Boolean operations.
0	Standard	6) L006 Edit primitives.
0	Duty	13) M - ADVANCED CADD MANIPULATE
0	Standard	1) M001 Perform axis view clipping.
0	Standard	2) M002 Extract wireframe data from surface/solid geometry.
0	Standard	3) M003 Shade/Render object.
0	Duty	14) N - ADVANCED CADD ANALYZE
0	Standard	1) N001 Use query commands to interrogate database.
0	Standard	2) N002 Extract geometric data.
0	Standard	3) N003 Extract attribute data.
0	Standard	4) N004 Identify gaps in nonintersecting surfaces.
0	Standard	5) N005 Obtain surface properties.
0	Standard	6) N006 Obtain mass properties data.
0	Duty	15) O - CADD PRODUCTIVITY AND WORK HABITS
0	Standard	1) O001 Perform CADD program customization to improve productivity.
0	Standard	2) O002 Manipulate associated non-graphical data.
1	Standard	3) O003 Use template and library files to establish drawing presets.
0	Standard	4) O004 Develop geometry using parametric programs.
81	Correlations	
81	Total Correlations	