



## University Skills Passport (USP) - Skills in Curriculum Setup Form

Thank you for engaging with the USP - University Skills Passport. This form will determine the eligibility of your activity for inclusion on the USP - University Skills Passport. You are required to fill out one form for each badge that you would like to award. Typically, one module would be associated with one badge. It will capture the basic data required to set up your activity on our central student record system and to set up the credentials that you choose to award your students on completion of your activity (Digital Badge / University Skills Passport Transcript).

Should you wish to change the setup outside of the annual review process please email [USP@universityofgalway.ie](mailto:USP@universityofgalway.ie).

### 1. Module code

E1160

### 2. Title:

(Note: This title will appear on the credential awarded and on the University Skills Passport transcript) Standard Naming Convention: Skills – Module Name

AutoDesk AutoCAD - Engineering Graphics

### 3. Module Owner contact Details:

Name: Dr Edelle Doherty

Email: [Edelle.doherty@universityofgalway.ie](mailto:Edelle.doherty@universityofgalway.ie)

Phone:

### 4. Hosting Department

Please specify the disciplines(s) linked to this module on Akari

School of Engineering

### 5. "Contact Us" Email address

(Email Correspondence from students enquiring about your award will be directed to this address)

"Contact us" Email: [\\_Edelle.doherty@universityofgalway.ie](mailto:_Edelle.doherty@universityofgalway.ie)



## 6. Description of Activity

Please provide a brief description of your module. This description will be recorded on the metadata associated with the digital badge. **This should explain to a student and an external partner what the badge is about and what a student has completed in order to achieve the badge. Description and criteria 150 words**

This module develops the students' understanding of the principles behind drafting engineering drawings and its application in practice. Students are introduced to the methodological and technical aspects of engineering graphics. This module will provide opportunity to develop hands-on skills and experience in generating drawings using AutoDesk AutoCAD. Students are presented with an assignment brief, which provides instruction on the drawings, level of detail required, and a deadline for submission.

## 7. Criteria to earn this Digital Badge

Please list a brief formal description of how the student earns this badge. This description will be recorded on the metadata associated with the digital badge. **This should explain what a student has completed in order to achieve the badge (i.e., badge criteria: Attendance, Written reflection, presentation etc,)**

**To earn this badge the student must:**

1. Apply basic engineering drawing concepts including multiview drawings, projections, section views, dimensioning, viewports, layers, layouts, and scales.
2. Apply critical thinking to develop drawings based on the assignment briefs.
3. Produce engineering drawings of a professional standard using AutoCAD that communicate the necessary information in an accurate manner.
4. Complete 6 drawing assignments and 1 text-based critical thinking assignment.
5. Achieve a final grade of 1st class honours in the module.

## 8. Target Cohort

Undergraduate	Yes
Postgraduate	No
All	No

## 9. Duration of the Activity:

Duration that the activity typically spans (e.g., X weeks, Semester 1, Semester 2, yearlong)

**Semester 1**

## 10. Time Commitment in Hours (Min)

What is the usual time commitment associated with this badge? If a range of hours is likely, please indicate what the minimum time commitment is?



**50 hours (module content and assignments)**

**11. Verification**

Describe the validation process used to verify that this activity has been satisfactorily completed by the student? (Attendance log, Formal assessment, other)

Students must submit high-quality assignments and meet an average grade equivalent to a 1<sup>st</sup> class honours grade.

**12. Credentialling**

Please select which of the following forms of recognition is pertinent for your activity:

Badge Certificate	Yes
Capture on USP – University Skills Passport	Yes

**13. Current Activity Visual Identity**

Please include an image of your activity's logo / existing digital badge (If Relevant). Please attach high quality image of png / svg file to email if available

Note: We can work with you to generate an image from a university approved template.

**14. Skills and Dispositions**

- Please select **up to 5** skills and/or dispositions in the Designing Futures Framework that the student developed upon completion of this module.
- For each skill stated please identify at least one specific example of how the student developed this skill/disposition. The example should clearly outline what the student did in this context to develop the skill highlighted. (Reference Sample completed setup form available here)
- The example should be short and concise, 1 – 2 sentences long and phrased in the past tense.
- Please find the Skills Framework and associated examples available for your reference [here](#).



### Skills



### Dispositions



Skill / Disposition	Skills /Dispositions Description: give specific examples of how this skill/disposition was acquired by undertaking this module:
1. Critical Thinking	Employed critical thinking to complete the drawing assignments, which included tasks such as converting between orthographic and isometric projections and being able to visualise the object being drawn.
2. Digital Skills	Completed drawings using AutoDesk AutoCad, including multi-view drawings, projections, section views, and dimensioning, viewports, layers, layouts, and scales.
3. Self-Awareness	Developed self-awareness by reflecting on one’s own skill development over the module and the importance of accurate and professional drawing standards
4. Communication	Conveyed engineering concepts through technical drawings and strengthened teamwork and problem-solving abilities in a lab environment
6. Teamwork	Fostered teamwork through collaborative problem-solving and hands-on learning in small groups in a lab setting, which included interpreting technical drawings, assisting one another in skill development, and resolving challenges together.

### Section 12 B

#### **OPTIONAL NOT REQUIRED: Domain Specific competencies / Technical Competencies**

If you would like to highlight domain specific competencies / technical competencies that are outside of the skills framework, please list them here.



- You should list the name of the competency and a short description (Max 1 line) only if required.
- The text should be short and concise and phrased in the past tense.
- Note: If you choose to list competencies below you should only capture 4 skills in the skills section above

<b>Domain Specific Competency / Technical Competency list</b>