

DET1230 - Introduction to 3D Printing and Scanning

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| Credits: | 2 (1/1/0) |
| Description: | This course covers basic concepts of 3D printing and rapid prototyping, utilizing various three-dimensional printers, scanners and slicing software. |
| Prerequisites: | |
| Corequisites: | |
| Pre/Corequisites*: | |
| Competencies: | <ol style="list-style-type: none"> 1. Calculate scale factors for printed models. 2. Import and analyze geometry from various file types and software. 3. Perform build box geometry manipulations to ensure proper printing of models. 4. Demonstrate the appropriate application and use of model supports in the printing process. 5. Demonstrate the steps required for accurate machine setup. 6. Demonstrate proper procedures for removing completed models from machine build plates. |
| MnTC goal areas: | None |

*Can be taking as a Prerequisite or Corequisite.