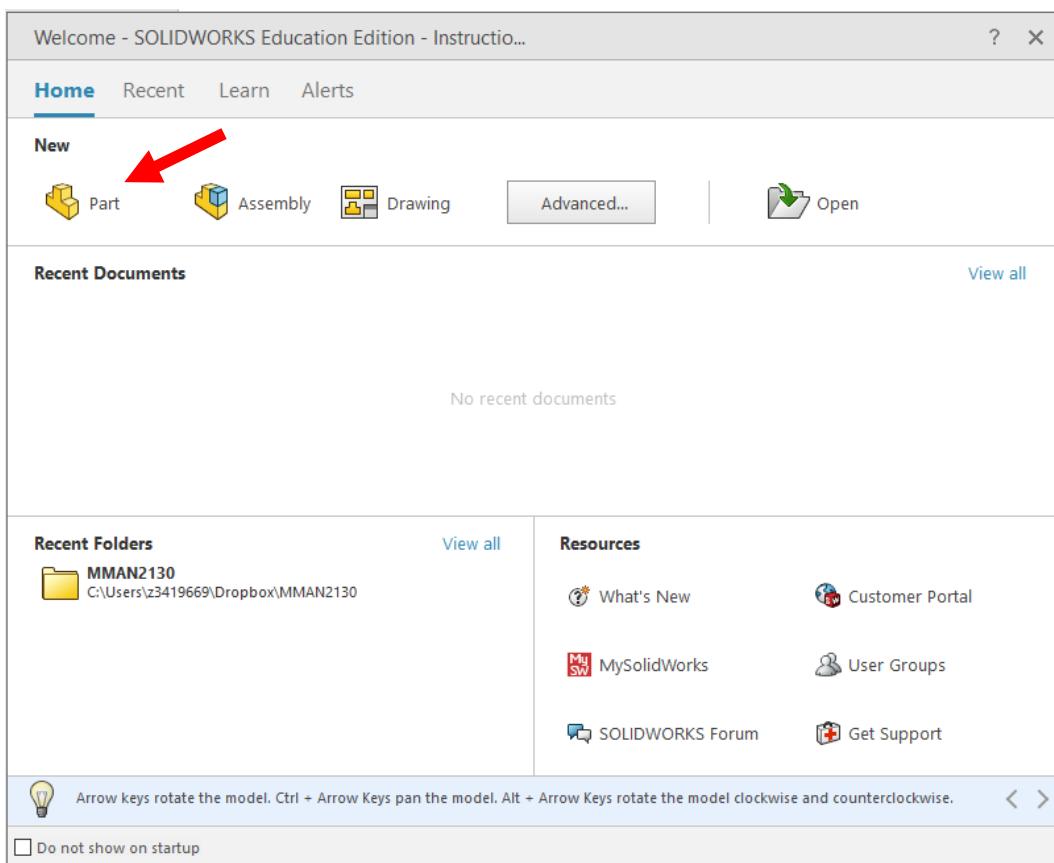


# MMAN1130 – Design and Manufacture

## Lesson 1 – Sketching - Prelab Exercises

The following videos can be accessed once you have created an account to access My Solidworks. If you haven't created an account, or are unsure how, please go to <https://www.solidworks.com/media/mysolidworks-students>.

All sketching is done in “part” files. To open a part file, simply select the option in the window that automatically pops up.



Otherwise, you can open it by clicking on File -> New -> Part -> Ok.

Core videos will provide you with the fundamental skills and techniques needed to pass this course. A strong understanding of these skills and techniques should result in a PS/CR and low DN depending on your performance.

The advanced videos contain skills and techniques that continue your mastery of CAD. They will allow you to create more efficient and challenging CAD elements. If you are looking for a HD, these are the skills and techniques you will need master.

## **Core**

Starting a Sketch on a Plane or Face - <https://my.solidworks.com/training/master/205>

Automatic Relations - <https://my.solidworks.com/training/master/211>

Fully Defining a Sketch - <https://my.solidworks.com/training/master/212>

Sketch Entities: Lines and Centerlines - <https://my.solidworks.com/training/master/206>

Sketch Entities: Rectangles - <https://my.solidworks.com/training/master/207>

Sketch Entities: Circles and Arcs - <https://my.solidworks.com/training/master/208>

Sketch: Smart Dimension - <https://my.solidworks.com/training/master/177>

Sketch Fillets and Chamfers - <https://my.solidworks.com/training/master/175>

Sketch Entities: Ellipses and Slots - <https://my.solidworks.com/training/master/209>

## **Advanced**

Sketch: Trimming - <https://my.solidworks.com/training/master/176>

Sketch Relations - <https://my.solidworks.com/training/master/210>

Sketch: Convert and Offset Entities - <https://my.solidworks.com/training/master/184>

Sketch Mirror - <https://my.solidworks.com/training/master/183>