

# ME 203: Design & Manufacturing, W10

ME 203 web site: Coursework, email: [ME203Class@Lists.stanford.edu](mailto:ME203Class@Lists.stanford.edu)

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Week	Assignments Due	Structured Labs	Class Meetings
<b>1</b>	1.05 1.07 Favorite Tool, Getting Started	Registration & Safety	Goals, Expectations, Great Projects Portfolio, Photos, Share Tools, Forming
<b>2</b>	1.12 1.14 Product Proposal Stories, Sketches	Turning/Milling	Brainstorming, Welding Coaching: Product Story, Model Assignment
<b>3</b>	1.19 1.21 Candidates, Concept Prototypes	Milling/Turning	Material Supply, Rapid Prototyping Coaching: Concept Prototypes
<b>4</b>	1.26 Insights from Prototypes Creation 1.28 B.O.M., Manufacturing Plan	Casting/Welding	Material Properties, Sand Casting Coaching 1-on-1: (15 min) Dave & Parmita
<b>5</b>	2.2 Initial Materials in Hand 2.4 Manufacturing Prototypes	Welding/Casting	Special Machining Ops, Fastening Methods Coaching: Manufacturing Prototypes
<b>TIG Welding Workshops: Steel &amp; Aluminum</b>			
<b>6</b>	2.9 CAD Model 2.11 Critical Part Manufacturing Started	Assembly & Finishing	Finishing, Manufacturing Processes Intro Coaching 1-on-1:(30 min w/Coach) Mfg Started
<b>Magnifying Glasses Due: One Week Following Your Assembly and Finishing Lab</b>			
<b>7</b>	2.16 Magnifying Glasses Due This Week 2.18 Critical Part Manufacturing Complete	Extra PRL Time	Steel Making, Forging Coaching 1-on-1: (15 min) Dave & Parmita
<b>8</b>	2.23 2.25	Extra PRL Time	Metal Forming Die Casting, Extrusion, Non-Traditional
<b>9</b>	3.2 3.4 First Assembly & Test	Extra PRL Time	Plastics Molding, Metal IM Coaching: First Assembly & Test Results
<b>10</b>	3.9 3.11	Extra PRL Time	Stories from ME 203 Alumni Extra PRL Time
<b>PRL Closes for the quarter at 5:00 pm, Saturday, March 13<sup>th</sup></b>			

**MANDATORY, BIG PRL CLEAN UP: One Hour, March 14<sup>th</sup>, 15<sup>th</sup>, or 16<sup>th</sup>**

**Presentation of Projects & Portfolios**

**Monday, March 15<sup>th</sup>: 12:15 – 3:15, Product Realization Laboratory**