

OPT 2414: Upper Extremity Orthotics
Tuesday/Thursday: 1:00-4:20p.m.

	<u>Topic</u>	<u>Activity</u>
5/07	Course Guidelines Upper Limb Anatomy Planes of Motion Bones and Nerves Muscles Distal to the Elbow Surface Anatomy and Landmarks Upper Limb Model Fabrication	Lecture Lecture Lecture/demo
5/09	Upper Limb Anatomy Biomechanics Upper Limb Pathology UE Model Fabrication: Open Lab	Lecture Lecture Lab
5/14	UE Model Due Prehension Patterns Thumb Spica Rationale Pathology Components Materials Thumb Spica Fabrication: Open Lab	Project Due Lecture Lecture Lab
5/16	UE Anatomy Quiz Review Thumb Spica Fabrication: Open Lab UE Model Fabrication: Open Lab	Lecture Lab Lab
5/21	Thumb Spica Due WHO Resting Orthosis Rationale WHO Resting Orthosis Fabrication WHO Resting Orthosis: Open Lab	Project Due Lecture Lecture/demo Lab
5/23	UE Anatomy Quiz WHO Resting Orthosis: Open Lab	Quiz Lab
5/28	Memorial Day Holiday	No Class
5/30	UE Pathology Quiz Review UE Muscles Proximal to the Elbow WHO Resting Orthosis: Open Lab	Lecture Lecture Lab
6/04	WHO Long Opponens Rationale Pathology Biomechanics Types WHO Resting Orthosis: Open Lab	Lecture Lab

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6/06	WHO Resting Orthosis Due UE Pathology Quiz Splinting Article Assigned Elbow Orthoses WHO Long Opponens Fabrication: Open Lab	Project Due Quiz Lecture Lecture Lab
6/11	SEWH Orthoses WHO Long Opponens Fabrication: Open Lab	Lecture Lab
6/13	Splinting Article Due Mid-Term Exam Review WHO Long Opponens Fabrication: Open Lab	Homework Due Lecture Lab
6/18	WHO Long Opponens Fabrication: Open Lab	Lab
6/20	Mid-Term Exam WHO Long Opponens Fabrication: Open Lab WHO Long Opponens Due	Exam Lab Project Due (End of Class)
6/25-7/6	Summer Break	No Class
7/09	CAD/CAM Unit 1 Historical Overview	Lecture
7/11	CAD/CAM Unit 1 Reading CAD/CAM Unit 1 Quizzes Reading 1 Quiz Unit 1 Quiz	Assignment Quiz
7/16	CAD/CAM Unit 2 Hardware and Software	Lecture
7/18	CAD/CAM Unit 2 Reading CAD/CAM Unit 2 Quizzes Reading 2 Quiz Unit 2 Quiz	Assignment Quiz
7/23	CAD/CAM Unit 3 OMEGA System CAD/CAM Unit 3 Videos Transtibial Modifications AFO Modifications	Lecture Assignment

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7/25	CAD/CAM Unit 3 Videos Transfemoral Modifications TLSO Modifications	Assignment
7/30	Fusion 360 Software Overview Fusion 360 Software Controls	Lecture Lecture/Demo
8/01	Fusion 360 Project 1	Lecture Demo
8/06	Fusion 360 Project 1	Lecture Demo
8/08	Fusion 360 Project 1	Lecture Demo
8/13	OMEGA Software Overview OMEGA Software Modification	Lecture Lecture/Demo
8/15	Omega Software Project 1	Lecture
8/20	Omega Software Project 1	Lecture
8/22	Omega Software Project 1	Lecture