

<b>BME 540</b>	<b>Biomechanics II</b>				
<b>Catalog Data</b>	Advanced topics in Biomechanics focusing on design, development and evaluation of artificial organs.				
<b>Course Total Credit Hours:</b>	<b>3</b>	<b>Lecture:</b>	<b>3</b>	<b>Laboratory:</b>	<b>-</b>
<b>Project</b>	<b>-</b>				
<b>Prerequisites:</b>	ME470, or consent of instructor				
<b>Course Coordinator:</b>	Biomedical Engineering Faculty				
<b>Textbooks</b>					
Tissue Engineering and Artificial Organs by Joseph D. Bronzino, 2006.					
<b>References</b>					
1. Bioartificial Organs: Science, Medicine, and Technology (Annals of the New York Academy of Sciences) by Ales Prokop (Editor), 1997.					
<b>Goals</b>	1. Introduce cutting-edge information from this rapidly expanding field 2. Familiarize the students with transport phenomena, and tissue and rehabilitation engineering				
<b>Projects</b>					
<b>Major CAD Packages</b>					
<b>Last Review:</b>	<b>Spring Semester 2008</b>			<b>Signature:</b>	