

<b>Title of Clerkship:</b>	<b>Orthopaedic Surgery Research Elective – UTMC</b>									
<b>Elective Year(s):</b>	Fourth Year									
<b>Department:</b>	Orthopaedic Surgery									
<b>Type of Elective:</b>	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">Clinical</td> <td style="text-align: center;">Non-Clinical/Research</td> <td style="text-align: center;">Basic Science</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> </table>	Clinical	Non-Clinical/Research	Basic Science	_____	_____	_____		X	
Clinical	Non-Clinical/Research	Basic Science								
_____	_____	_____								
	X									
<b>Clerkship Site:</b>	The University of Toledo Medical Center									
<b>Course Number:</b>	ORTH 702									
<b>Blocks Available:</b>	All									
<b>Number of Students/ Block:</b>	Unlimited									
<b>Faculty:</b>	Nabil Ebrahiem, M.D.; Jiayong Liu, M.D.									
<b>Elective Description/ Requirements:</b>	A four-week research elective can be structured to involve investigation into most areas of orthopaedics according to the interest of the particular student.									
<b>Length of Clerkship:</b>	4 weeks									
<b>Links to Core Competencies:</b>	<b>Educational Course Objectives:</b>									
PBL-5	1. Analyze information needed by identifying the current level of knowledge, the desired level of knowledge, and the type of information needed to reach the desired level of knowledge.									
PBL-4	2. Compare and contrast the type of information found in each class of resources and to select sources based on the information needed.									
PBL-4	3. Develop and execute search strategies in a variety of online resources that will effectively and efficiently produce precise search results.									
IPC-1	4. Identify and use resources in support of presentation and publication, with the possibility of being an author.									
PBL-4	5. Describe why some types of articles provide stronger evidence than others, and to use resources.									
PBL-4	6. Describe issues influencing information retrieval and use, including the structure of the scientific literature, and legal and ethical issues (copyright).									
PBL-4	7. Develop a personal information management plan to keep on top of the literature in a specialty using technical tools.									
IPC-1	8. Demonstrate personal understanding of issues and application of skills through successful assistance in a research project									
<b>Professionalism:</b>	UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department									
<b>Instructional Methods:</b>	<ol style="list-style-type: none"> <li>1. Clinical case presentations/ discussions</li> <li>2. Diagnostic tests – use/ interpretation</li> <li>3. Independent study</li> <li>4. Interpretation of lab data</li> <li>5. Lecture</li> <li>6. Residency program/ department conferences</li> </ol>									
<b>Evaluation Methods:</b>	<ol style="list-style-type: none"> <li>1. Attendance</li> <li>2. Faculty observation of behavior</li> <li>3. Faculty/Resident observation and assessment of clinical skills.</li> <li>4. Written paper/ project, which includes some reflections on performance</li> </ol>									
<b>Prerequisites:</b>	Successful completion of required surgery clerkship									
<b>Clerkship Director:</b>	Nabil A. Ebraheim, M.D.									
<b>Clerkship Coordinator:</b>	Kelly Kovacs 419-383-6236 <a href="mailto:kelly.kovacs@utoledo.edu">kelly.kovacs@utoledo.edu</a>									
<b>Special Requirements:</b>	n/a									