

# BME 489 Project Proposal Grading Form - Final

Project ID		Supervisor(s):		Section:	J Andrysek
Project Title:	BME 489 - Group 201605		Trocar	Administrator:	

## Administrator's Evaluation

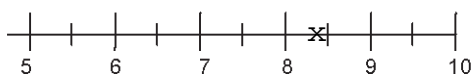
	Excellent	Good	Satisfactory	Marginal	Poor	Missing/ Unacceptable
<b>Background and Motivation:</b> A clear introduction and description of the design problem and its context including the state of the art, and existing work and technology. A clear motivation for the work.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Project Goal and Requirements:</b> Clear project goal and requirements, links to the original design problem. Problems (circle all that apply): Unverifiable/unmeasurable requirements, unnecessary implementation details	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Validation and Acceptance Tests:</b> Clear description of tests, explanations of how tests demonstrate that the project goal and requirements have been achieved.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Possible Solutions and Design Alternatives:</b> Clear description of possible approaches and discussion of design trade-offs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Feasibility Assessment:</b> Clear description of required skills and resources and key risks.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>System-level overview:</b> A clear description of the top level design.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Module-level descriptions:</b> A clear description of each key component of the design.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Assessment of Proposed Design:</b> A clear description of how the solution addresses the technical problem. A clear discussion of the strengths, limitations, and trade-offs of the design.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Work breakdown structure</b> (circle specific problems) persons not assigned to tasks, tasks not numbered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Gantt chart</b> (circle specific problems) missing task numbers or descriptions, missing persons assigned to each task	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Financial plan</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Presentation</b> (circle specific problem areas) Grammar, spelling, clarity, style, other (specify):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Content</b> (circle specific problem areas) Organization, logical coherence, substance, references, other (specify):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Other Problems:** Report late, other (specify):

**Approximate grade out of 10 (based on required sections)**



**Administrator's Signature:**

**Administrator's Comments (also see comments in report)**

Excellent Executive summary

Clear and concise background section, however, more details could be included  
Goals are clearly stated, and measurable outcomes are presented. Goals are clearly linked to problems presented in background

Constraints - what is the cost of a regular trocar?

Validation test 1.4.1 - how will the foam be selected to simulate human tissue?

1.4.2 - how will force be measured

Consideration of increased wall thickness of expanding cannula - since that results in a lower ID/OD ratio than conventional trocars(?)

Add references to back up each factual statement in the background

Consider using a table to organize requirements with validation tests to make it easier to read/follow

Pugh chart - add a rationale to describe the weights and how each score was determined