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		1.0	Topic	Readings	<del></del>
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		20	Science vs. Engineering	From Moodle	
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·		25	Intro to Stem Cells	Chapter 1	
		27	Literature Critique-Discussion	From Moodle	
		- 30	Tissue Dynamics	Chapter 2	
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		27	Bioceramics	Chapter 8	
•		29	Biocompatibility	Chapter 9	
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		7	Tissue Engineering Methods	Chapter 11	
		9	Literature Critique-Discussion	From Moodle	
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		16	Mid-term Exam		
		19	Cell Harvest	Chapter 11	
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		21	Scaffold Design	Chapter 14	
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		28	Bioreactors Design	Chapter 16	
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•		4	Tissue Engineering Skin	Chapter 19	
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Ethical Issues in Tissue Engineering

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**Exams:** There are two exams, a midterm and a final each worth 30% of the total course grade. The exams will have both qualitative and quantitative portions testing theory and practical knowledge.

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structure and market penerranon. Sudents will work in groups of two. The project is worm 23% of the final grade.

Literature Critique. Students will be required to prepare a literature exitique on an article drawn from the relevant poer-reviewed journals. A one page written critique will be included along with a few pages of the property of the final grade.