BIEN 138: Fundamental Principles of Wound Repair

Instructional Material:  
- Lecture Notes and Supplementary Reading Material  
- Reference Book
## Course Outline

1. Overview
2. Blood Coagulation, Inflammation, and Re-epithelialization
3. Granulation Tissue Formation
4. Neovascularization
5. Wound Contraction and Remodeling
6. Etiology of Chronic Non-healing Wounds
7. Tissue Engineering Strategies for Wound Repair
8. Fetal Scarless Regeneration
9. Endogenous Adult Regeneration

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**Key Concepts and Findings**

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*In vitro and In vivo Assays*