

## Textbook Resources Curated from the Session:

<https://docs.google.com/document/d/1uMM2DONIE76fDe6H3aW2CE62I9Z95C8qLlilss3J3as/edit>

### Presentation Overview:

- Goal: Finding the Best BME Textbooks
- Open Discussion: What makes a good book for a course?
- Brainstorming Session:  
<https://docs.google.com/document/d/1uMM2DONIE76fDe6H3aW2CE62I9Z95C8qLlilss3J3as/edit>

### Discussions:

- What's makes a good textbook?
  - Niel Rothman – likes when a textbook scaffolds and builds and covers
  - Jenny Amos – likes the level at which it is explained at given the level of the students (sophomore, junior, graduate, etc.)
  - Matthew Wettergreen – purpose of the textbook: theory, practice, or practical nature
  - Patricia Widder – worked examples
  - Nicole Ramo – opportunities for practice, recall, and cementing core concepts
  - Alexis – books that implement pedagogical theories, e.g. practice and recall, examples past concept being explained
  - Neil Rothman – test whether the students understand it! Stretch your brain questions to think about what's going on, not just naming/recall information
  - Tyler Harvey – useful figures, access to a digital version so you can match it with your in class slides
  - Paul Gordon – how updated it is since BME is constantly changing
  - Patricia Widder – different of books you use in the classroom vs. books you use as supplemental resources to develop your materials
- Brainstorming Session: Fill out the below in google docs:  
<https://docs.google.com/document/d/1uMM2DONIE76fDe6H3aW2CE62I9Z95C8qLlilss3J3as/edit>

### Topics:

Anatomy / Physiology

Bioimaging

Bioinstrumentation

Biomaterials

Biomechanics

Biomedical Engineering Education

Biotransport

Cancer

Cell/Tissue Engineering

Drug Delivery

Ethics

Introduction

Micro/Nano Technology

Regulatory/FDA

Thermodynamics

Design

Example:

Book Title: Principles of Biomedical Instrumentation

Author: Andrew G. Webb

Course/Topic: Circuits/Bioinstrumentation/Devices

Community Comments:

Make comments on what you use it for, what works in it, what doesn't