SUBJECTS INCLUDED IN MIDTERM-1 *(Course materials are available FGCU Canvas System)*

- **08.18.2025 Introduction to Biomaterials Science.pdf**
- **08.20.2025 Evolution of Biomaterials.pdf**
- **08.25.2025 Materials in Biomaterials Science_ Ceramics, Glasses, HA and Carbon.pdf**
- **08.27.2025 Materials in Biomaterials Science_ Metals.pdf**
- **09.03.2025 Mechanics of Biomaterials-1 (Dr Jiehong Liao) (Internal Forces (Review), Normal and Shear Stress)**

  M0L1 WKS - Internal Forces.pdf

  M0L1 SOL - Internal Forces.pdf

  M1L7 WKS - Normal and Shear Stress.pdf

  M1L7 SOL - Normal and Shear Stress.pdf

- **09.08.2025 Mechanics of Biomaterials-2 (Dr. Lura Derek) (Normal and Shear Stress (Problems), Introduction to Design)**

  M1L8 WKS - Introduction to Design.pdf

  M1L8 SOL - Introduction to Design.pdf

- **09.10.2025 Mechanics of Biomaterials-3 (Dr Jiehong Liao) (Strain and Poisson's Ratio)**

  M1L9 SOL - Strain.pdf

  M1L9 WKS - Strain.pdf

- **09.15.2025 Mechanics of Biomaterials-4 (Dr Lura Derek) (Mechanical Properties of Materials)**

  M1L10 WKS - Mechanical Properties of Materials.pdf

  M1L10 SOL - Mechanical Properties of Materials.pdf

- **09.17.2025 Mechanics of Biomaterials-5 (Dr Lura Derek) (Axial Deformation)**

  M1L11 SOL - Axial Deformation (Worksheet A & B).pdf

  M1L11 SOL - Axial Deformation (Worksheet C & D).pdf

  M1L11 WKS - Axial Deformation.pdf

- **09.22.2025 Materials in Biomaterials Science-Polymers_Polyurethanes_Slicones_Fluorinated Biomaterials.pdf**
- **09.24.2025 Materials in Biomaterials Science-Hydrogels_Compositesx.pdf**