# ENGINEERING BIOMECHANICS (INGE4011)[1]

Roberto Bravo, Luis Moux, Ivan Nieves and Jose Rivera[2]

Word; 1" margin on all sides; Font size 9; Times New Roman; In Two Columns; In English Language

**<SEE SAMPLE ARTICLE FOR INSTRUCTIONS: pages A1 to A23 from http://faculty.eng.fiu.edu/~mgoyal/ >**

**General Comments:**

1. Make use of references after each problem and the text, wherever applicable. Example
   (Frankel and Goyal 1979, page) = MUST
2. DONOT USE G=2.5N, but G = 2.5 N in all project.
3. RFERENCES IN THE ALPHABETICAL ORDER. Goyal, Megh R., Vijay K. Goyal and Vinay K. Singhal. 2003. *Biofluid Mechanics of Human Body Systems.* 4th Edition. Mayaguez, PR: Libreria Universal Book Co. Ltd.
4. Instead of using a second person: Use First or third person: You, Your = no; We, our etc, = yes
5. Left and right adjusted.
6. Please classify exercises under:
   - Tension, compression and shear
   - Axially loaded members.
   - Torsion.
   - Shear forces and bending moment diagram.
   - Stresses in beams.
7. EXERCISE with SOLUTION, always include the figure for explanation. One exercise per student is okay. INCLUDE THIS in A APPENDIX after the glossary.
8. Always include positive thought: a must.
9. Title, Authors, foot notes: EXACTLY as here and on first page. PAGE NUMBERING AT BOTTOM LEFT ON RIGHT SIDE.
10. GIVE PROPER CREDIT: FOR THE ORIGINAL RESOURECE. Include the reference in the text, FIGURE, AND TABLE.
11. Figures should be legible and clear, sharp. Each figure has a title just below it. All figures in the report are marked "Figure 1. ---------- etc."
12. Table should have a heading. All tables and figures should be referred in the text.
13. NEXT DATE FOR COMPLETE REPORT IS: February 18, 2004 →
    **----- ZIP disk**
    ---- Hard copy in Black and white.

# FINAL INSTRUCTIONS – II

1. FINAL PROJECT will be graded as follows:
   Contents: 50%
   References cited in text, figures, tables, appendices, exercises; and reference list: 25%
   FORMAT: 25%

2. All references be cited as:
   (Frankel and Goyal 1979, page): must

3. On March 19, 2004: Submit followings:

   **---- My copy with corrections: Donot throw.**
   **Draft I**
   **---- your corrected (revised) version**
   **----- ZIP disk**
   **---- Hard copy in Black/ white**
   **---- All xerox copies of reference material.**

**ADVICE:**

1. **Copy the webpage URL exactly in the list of references as soon as you find a useful information.**
2. **Make a Xerox copy of the title page, write down the author/ title of book/ year of publication, article title, pages to be referenced, publisher and ISBN number. If it is book from library, note the call number.** *Make a Xerox copy of the pages that are used by you.*

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[1] This review article was prepared on May 14, 2004 for the course on Mechanics of Materials - I. Course Instructor: Dr. Megh R. Goyal, Professor in Biomedical Engineering, General Engineering Department, PO Box 5984, Mayaguez, Puerto Rico 00681-5984. For details contact: m_goyal@ece.uprm.edu or visit at : http://www.ece.uprm.edu/~m_goyal/home.htm

[2] The authors are in the alphabetical order.

[3] The numbers in the parentheses refer to references in the bibliography.

# ENGINEERING BIOMECHANICS (INGE4011)[1]

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[1] This review article was prepared on December 8, 2003 for the course on Mechanics of Materials. Course Instructor: Dr. Megh R. Goyal, Professor in Agricultural and Biomedical Engineering, General Engineering Department, PO Box 5984, Mayaguez, Puerto Rico 00681-5984. For details contact: m_goyal@ece.uprm.edu or visit at http://www.ece.uprm.edu/~m_goyal/home.htm/

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FOOTER should be →

December 2003 Projects on Biomechanics for Course on Mechanics of Materials – I, GED at University of Puerto Rico, Mayaguez