List of available courses to OCIBME students for the period of Fall 2010 and Winter 2011

Please note that the information below was complete and accurate as of September 15, 2010, but is subject to changes. Please check.
CU: Courses offered at Carleton University
UofO: Courses offered at the University of Ottawa
NA: Not available at the time of printing

Fall 2010

Compulsory courses

BIOM 5001 (BMG 5101) Engineering Analysis and Modelling of Human Anatomy and Physiology
UofO- Tu.: 5:30-8:30 PM

BIOM 5002 (BMG 5102) Ethics, Research Methods, and Standards
CU- We.: 2:30-4:00 PM
CU- Fr.: 2:30-4:00 PM

BIOM 5800 (BMG 6996) Biomedical Engineering Seminar
CU- We.: 6:00-8:00 PM

Courses in the field of Medical Instrumentation

Core course

NA

Elective courses

SYSC 5503 (ELG 5119) Stochastic Methods
CU- Mo.: 5:30-7:00 PM
CU- We.: 5:30-7:00 PM

SYSC 5602 (ELG 6162) Digital Signal Processing
CU- Tu.: 11:30 AM-1:00 PM
CU- Th.: 11:30 AM-1:00 PM

EACJ 5800 (ELG5377) Adaptive Signal Processing
UofO- Mo.: 2:30-4:00 PM
UofO- We.: 2:30-4:00 PM

Courses in the field of Biomedical Image Processing

Core course

NA

Elective courses

NA

Courses in the field of Biomechanics and Biomaterials

Elective courses

BIOM 5306 (BMG 5306) Biomechanics
CU- Tu.: 6:00-9:00 PM

Courses in the field of Medical Informatics and Telemedicine

Core courses

NA

Elective courses

COMP 5108 (CSI 5126) Algorithms in Bioinformatics
UofO- Tu.: 11:30 AM-1:30 PM
UofO- Fr.: 1:00 PM-2:30 PM

COMP 5407 (CSI 5116) Authentication and Software Security
CU- Tu.: 8:30-10:00 AM
CU- Th.: 8:30-10:00 AM

COMP 5503 (CSI 5115) Database Analysis and Design
UofO-We.: 10 AM-1 PM

COMP 5704 (CSI 5131) Parallel Algorithms and Applications in Bioinformatics
CU- Mo.: 2:30-5:30 PM

Winter 2011

Compulsory courses

BIOM 5800 (BMG 6996) Biomedical Engineering Seminar
CU- We.: 6:00-8:00 PM

Courses in the field of Medical Instrumentation

Core course

BMG 5104 (BIOM 5101) Biological Signals
CU- NA

Elective courses

BIOM5106a (BMG5109a) Advanced Topics in Medical Instrumentation: Sensory Systems and Signal Processing
Same as
EACJ 5600 (ELG 7172) Topics in Signal Processing I: Sensory Systems and Signal Processing
UofO- Tu.: 5:30-7:00 PM
UofO- Th.: 5:30-7:00 PM

BIOM5106b (BMG5109b) Advanced Topics in Medical Instrumentation
Same as
EACJ 5404 (ELG 7100C) Topics in Electromagnetics I: Introduction to Biophotonics
UofO- Mo.: 5:30-7:00 PM
UofO- We.: 5:30-7:00 PM

EACJ 5601 (ELG 7173) Topics in Signal Processing II: Introduction to convex optimization
UofO- Mo.: 5:30-7:00 PM
UofO- We.: 5:30-7:00 PM

Courses in the field of Biomedical Image Processing

Core course

BIOM 5200 (BMG 5105) Biomedical Image Processing
CU- Fr.: 8:30-11:30 AM

Elective courses

EACJ 5100 (ELG 5163) Machine Vision
UofO- Mo.: 11:30 AM-1:00 PM
UofO- We.: 11:30 AM-1:00 PM

EACJ 5509 (ELG 5378) Image Processing and Image Communication
UofO- Tu.: 11:30 AM-1:00 PM
UofO- Fr.: 11:30 AM-1:00 PM

PHY 5112 (PHYS 5204) Physics of Medical Imaging
CU- NA

Courses in the field of Biomechanics and Biomaterials

Core courses

BIOM 5300 (BMG 5300) Biological and Engineering Materials
UofO- Tu.: 4:00-7:00 PM

BIOM 5301 (BMG 5301) Biomechanics of Skeletal System, Motion and Tissue
CU- Fr.: 11:30 AM-2:30 PM

Elective course

BIOM 5330 (BMG 5330) Electromagnetic Fields and Biological Systems
UofO- Tu.: 10:00-11:30 AM
UofO- Th.: 8:30-10:00 AM

Courses in the field of Medical Informatics and Telemedicine

Core courses

BIOM 5402 (BMG 5402) Interactive Networked Systems
CU- Mo.: 6:00-9:00 PM

SYSC 5108 (ELG 6118) Pattern Classification and Experiment Design (no BIOM/BMG course code yet, but core course)
CU- NA

Elective courses

COMP 5108 (CSI 5126) Algorithms in Bioinformatics
CU-Mo.: 2:30-5:30 PM