ONCOLOGY (ONCOLOGY)

ONCOLOGY 401 — INTRODUCTION TO EXPERIMENTAL ONCOLOGY
2 credits.

Biological processes associated with and characteristic of neoplasia.
Requisites: Biol org chem or cons inst
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017

ONCOLOGY/MICROBIO 545 — TOPICS IN BIOTECHNOLOGY
1 credit.

Seminars on current topics in agricultural, medical, and industrial biotechnology such as: microbiological production of food, drink, biopharmaceuticals; production methods, genetic engineering (vectors, recombination cloning), continuous fermentation; bioconversion processes and production of chemicals from biomass; plant biotechnology; transgenic animals.
Requisites: BIODEM 501 and GENETICS 466 or equiv
Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2017

ONCOLOGY/M&ENVTOX/MEDICINE/PATH/PHM SCI/PHMCOL-M/ POP HLTH 625 — TOXICOLOGY I
3 credits.

Basic principles of toxicology and biochemical mechanisms of toxicity in mammalian species and man. Correlation between morphological and functional changes caused by toxicants in different organs of the body.
Requisites: BIOCHEM 501, PHYSIOI 335, PATH 404 and PHM SCI 401
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2017

ONCOLOGY/MICROBIO/PL PATH 640 — GENERAL VIROLOGY-
MULTIPLICATION OF VIRUSES
3 credits.

Bacterial and animal viruses, their structure, multiplication, and genetics.
Requisites: Intro crses in bact, biochem genetics
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2017

ONCOLOGY 675 — ADVANCED OR SPECIAL TOPICS IN CANCER RESEARCH
1-3 credits.

Requisites: Cons inst
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Summer 2017

ONCOLOGY 699 — SPECIAL RESEARCH PROBLEMS
1-3 credits.

Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017

ONCOLOGY 703 — CARCINOGENESIS AND TUMOR CELL BIOLOGY
3 credits.

Viral, chemical, and physical factors involved in tumor formation in humans and experimental animals; biology and biochemistry of neoplasia, both in vivo and in vitro.
Requisites: ONCOLOGY 401 or equiv, organic chem, biochem, cell biology, virology, or cons inst.
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2017

ONCOLOGY 715 — ETHICS IN SCIENCE
1 credit.

A review and discussion of the fundamentals of ethical issues in science.
Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2017

ONCOLOGY 725 — READINGS IN CANCER BIOLOGY
2 credits.

A review and discussion of the current literature on topics related to cancer biology. The emphasis is on the development of skills in data analysis, critical interpretation, and clear writing.
Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2017
ONCOLOGY 735 — CURRENT PROBLEMS IN CANCER BIOLOGY
2 credits.

The emphasis of this course is on the development of skills in data analysis and interpretation, grant proposal writing, and oral presentation to help prepare students for their Preliminary Exam.

Requisites: Declared in Cancer Biology program with second year standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2017

ONCOLOGY 901 — SEMINAR
1 credit.

Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017

ONCOLOGY 990 — RESEARCH
1-12 credits.

Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017