

542. Integrative Clinical Correlations II

Spring, 1(9-2)

P: OST 541.

Application of basic science information, problem-solving, and clinical skills in an integrated clinical case format. Case presentations by students and faculty.

543. Integrative Clinical Correlations III

Summer, 1 credit.

P: OST 542.

Application of basic science information, problem-solving, and clinical skills in an integrated clinical case format. Case presentations by students and faculty.

544. Integrative Clinical Correlations IV

Fall, 1 credit.

P: OST 543. R: Approval of college.

Application of systems biology information, problem-solving, and clinical skills in an integrated clinical case format. Case presentations by students and faculty.

545. Integrative Clinical Correlations V

Spring, 1 credit.

P: OST 544. R: Approval of college.

Application of systems biology information, problem-solving, and clinical skills in an integrated clinical case format. Case presentations by students and faculty.

546. Integrative Clinical Correlations VI

Summer, 1 credit.

P: OST 545. R: Approval of college.

Application of systems biology information, problem-solving, and clinical skills in an integrated clinical case format. Case presentations by students and faculty.

551. Issues in Minority Health

Fall, Spring, Summer, 3(3-0)

R: Open only to graduate and graduate-professional students in the Colleges of Osteopathic Medicine, Human Medicine, and Nursing or approval of college.

Patterns of health and illness in minority populations.

SA: CMS 515

590. Special Problems

Fall, Spring, Summer, 1 to 24 credits. A student may earn a maximum of 60 credits in all enrollments for this course.

R: Open only to graduate-professional students in the College of Osteopathic Medicine. Approval of college.

Individual study directed by a faculty member on an experimental, theoretical, or applied problem.

**OSTEOPATHIC SURGICAL
SPECIALTIES**

OSS

**Department of Osteopathic
Surgical Specialties
College of Osteopathic Medicine**

512. Biostatistics and Epidemiology

Summer, 2(2-0)

R: Open only to graduate and graduate-professional students in the Colleges of Osteopathic Medicine, Human Medicine, and Nursing or approval of department.

Medical literature to illustrate statistical reasoning and research design. Emphasis on analysis rather than computation. Prospective or retrospective studies. Sensitivity, specificity, and predictive values. Epidemiologic terminology.

SA: CMS 512

590. Special Problems

Fall, Spring, Summer, 1 to 24 credits. A student may earn a maximum of 48 credits in all enrollments for this course.

R: Open only to graduate-professional students in the College of Osteopathic Medicine. Approval of department.

Each student works under faculty direction on an experimental, theoretical, or applied problem.

620. Directed Studies

Fall, Spring, Summer, 1 to 30 credits. A student may earn a maximum of 48 credits in all enrollments for this course.

R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II.

Individual or group work on special problems in medicine.

651. Obstetrics and Gynecology Clerkship

Fall, Spring, Summer, 1 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II.

Obstetric patient evaluation and management: motor skills, aptitudes, evaluation of postpartum patient and management of gynecologic problems.

653. Surgery Clerkship

Fall, Spring, Summer, 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II.

Surgical diagnosis, management, and treatment. Structure developed to achieve proficiency in motor skills, aptitudes, comprehension of concepts and principles, patient evaluation, diagnosis, management, therapy.

654. Anesthesiology Clerkship

Fall, Spring, Summer, 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course.

R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II.

Motor skills, concepts and principles, patient evaluation, management and therapy.

656. Orthopedic Clerkship

Fall, Spring, Summer, 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course.

R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II.

Program developed to achieve proficiency in motor skills, aptitudes, comprehension of concepts and principles, patient evaluation, diagnosis, management, and therapy.

658. Otorhinolaryngology Clerkship

Fall, Spring, Summer, 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course.

R: Open only to graduate-professional students in the College of Osteopathic Medicine upon completion of Units I and II.

Develop proficiency in motor skills, aptitudes, comprehension of concepts and principles, patient evaluation, diagnosis, management, and therapy.

PACKAGING

PKG

**School of Packaging
College of Agriculture and
Natural Resources**

101. Principles of Packaging

Fall, Spring, Summer, 3(3-0)

Packaging systems, materials and forms and their relationship to the needs and wants of society.

SA: PKG 210

221. Packaging with Glass and Metal

Fall, Spring, 3(3-0)

P: PKG 101 or concurrently, CEM 141, PHY 231.

Physical and chemical properties of glass and metals and their applications to packaging.

SA: PKG 320, PKG 325

322. Packaging with Paper and Paperboard

Fall, Spring, 4(3-2)

P: PKG 101, CEM 143, PKG 221 or concurrently. STT 200 or STT 201 or STT 315. R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.

Physical and chemical properties, manufacture, conversion, and use of wood, paper, paperboard, and related components in packaging. Design, use, and evaluation of packages.

SA: PKG 325

323. Packaging with Plastics

Fall, Spring, 4(3-2)

P: PKG 101, CEM 143, PHY 232, MTH 124, PKG 221 or concurrently. STT 200 or STT 201 or STT 315. R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.

Physical and chemical properties of plastics and their relationship to selection, design, manufacture, performance, and evaluation of packages.

SA: PKG 320

330. Package Printing

Fall, 3(3-0)

P: PKG 221. R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.

Methods of printing packages including copy preparation, design, electronic imaging, aesthetics, camera use, and effects of package materials. Production of printed packages including quality control, economics, and environmental considerations.

370. Packaging and the Environment

Spring, 3(3-0)

P: CEM 141; completion of Tier I writing requirement.

R: Not open to freshmen and sophomores.

Effects of packaging on environmental quality. Solid waste. Air and water quality. Laws, economics and energy. Resource use and conservation.

410. Distribution Packaging Dynamics

Fall, Spring, 3(3-0)

P: PKG 322, PKG 323. R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.

Identification and measurement of hazards in physical distribution. Methods of protection against climate, shock, vibration, and compression.

SA: PKG 310

415. Packaging Decision Systems

Fall, Spring, 3(2-2)

P: MTH 116; CPS 101 or CPS 131. R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.

Application of computers to analyze and solve problems in the management, specification, production, and testing of packaging systems.

432. Packaging Processes

Fall, Spring, 4(3-2)

P: PKG 322, PKG 323. R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.

Integrated study of machines, organization and control of packaging processes. Application of pneumatics, hydraulics and electricity. Interrelationship of product, packaging and machinery.