100  Principles of Packaging
Fall, Spring, Summer. 3(3-0) SA: PKG 210
Packaging systems, materials and forms and their relationship to the needs and wants of society.

221  Packaging with Glass and Metal
Fall, Spring, 3(3-0) P:M (CEM 141 or CEM 151 or LBS 171) and (PHY 231 or PHY 231B or PHY 231C or PHY 231H or PHY 231B or PHY 231B or PHY 231H or PHY 231H or LBS 271) and (PKG 101 or concurrently) SA: PKG 320, PKG 325
Physical and chemical properties of glass and metal, and their applications to packaging.

322  Packaging with Paper and Paperboard
Fall, Spring, 4(3-2) P:M: (PKG 221 or concurrently and PKG 101) and (MTH 124 or MTH 132 or LBS 118 or MTH 152H) and (CEM 143 or CEM 251 or CEM 351) and (TST 200 or TST 201 or TST 315 or TST 351) R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging. SA: PKG 325
Physical and chemical properties, manufacture, conversion, and use of wood, paper, paperboard, and related components in packaging. Design, use, and evaluation of packages.

330  Package Printing
Fall, 3(3-0) P:M: (PKG 221) R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.
Method 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:M: Completion of Tier I writing requirement. RB: (CEM 141 or CEM 151 or LBS 164) R: Not open to freshmen or sophomores.

410  Distribution Packaging Dynamics
Fall, Spring, 3(3-0) P:M: (PKG 322 and PKG 323) R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging. SA: PKG 310
Identification and measurement of hazards in physical distribution. Methods of protection against climate, shock, vibration, and compression.

415  Packaging Decision Systems
Fall, Spring, 3(2-2) P:M: (MTH 116 or LBS 117 or MTH 114 or MTH 112 or MTH 132 or MTH 118 or MTH 152H) RB: (CSE 101 or CSE 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:M: (PKG 322 and PKG 323) and (PHY 232 or PHY 232B or PHY 232C or LBS 272 or PHY 184 or PHY 182B or PHY 184A or PHY 184B or PHY 294H) R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.
Integrated study of packaging and production operations, quality control, and organization and control of machines. Interrelationship of products, packaging, machinery layout and efficiency, and quality issues.

440  Robotics and Automotive Packaging
Fall, 3(3-0) P:M: (MTH 124 or MTH 132 or LBS 118 or MTH 152H)
Robotic systems: configurations, components, drive mechanisms, control and feedback, safety. Line inspection, vision systems, guided vehicle and storage retrieval systems, reusable and expendable packaging, container cleaning and identification and economics.

452  Medical Packaging
Fall, 4(3-2) P:M: (PKG 322 or PKG 323)
Special requirements for packaging pharmaceuticals and medical devices. Evaluation of packaging systems and packaging procedures.

455  Food Packaging
Spring, 3(3-1) P:M: (PKG 322 and PKG 323)
R: Open only to sophomores or juniors or seniors or graduate students in the Packaging major.
Food packaging systems related to specific products and processes. Product composition: problems and packaging solutions, shelf life considerations, and packaging lines.

460  Distribution Packaging and Performance Testing
Spring, 3(2-2) P:M: (PKG 410) R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.
Interrelationships between packaging and distribution systems. Transportation, material handling, warehousing. Logistics and management systems. Performance testing and industry practices. Package container design and testing.

475  Packaging Economics
Fall, 3(3-0) RB: (EC 201 or EC 202)
Economic issues in packaging as they relate to policies of the firm and of government. Interrelationships between economic policy and societal issues.

480  Packaging Laws and Regulations
Spring, 3(3-0) RB: (PKG 322 or PKG 323) R: Open only to sophomores or juniors or seniors or graduate students in the School of Packaging.
History and development of packaging laws and regulations. Relationships among law, government regulation and commercial regulation. Effect of current laws and regulations on packaging.