

# ENTREPRENEURSHIP (ENTR)

## ENTR 220 - INTRO TO DESIGN AND INNOVATION

**Short Title:** INTRO TO DESIGN AND INNOVATION

**Department:** Entrepreneurship

**Grade Mode:** Standard Letter

**Course Type:** Lecture/Laboratory

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** Dive into human centered design and innovation as a way to build new products and services. This course is experiential, project-based, and collaborative. You'll try out different methods for uncovering human needs, make sense of data you gather from the field, and build and test your ideas. After taking this course, you'll walk away with the skills, methods, and mindset to use design and innovation to make impact in any career path you pursue.

## ENTR 222 - AI AND TECH PRODUCT DEVELOPMENT

**Short Title:** AI & TECH PRODUCT DEVELOPMENT

**Department:** Entrepreneurship

**Grade Mode:** Standard Letter

**Course Type:** Lecture/Laboratory

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** AI hasn't just changed what products are possible; it's changed how you build them. This course teaches product management fundamentals from concept to prototype while using AI as a research engine, synthesis tool, and rapid-prototyping partner, compressing months of discovery into days and turning ambiguous ideas into testable products at startup speed.

## ENTR 223 - BUSINESS MODELING FOR ENTREPRENEURS

**Short Title:** MODELING FOR ENTREPRENEURS

**Department:** Entrepreneurship

**Grade Mode:** Standard Letter

**Course Type:** Lecture/Laboratory

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** This course teaches students to translate a startup business plan into a bottom-up quantitative model of the business and its underlying assumptions. Students learn to build a model of cash flows for a startup, use it to track performance and identify errors in the underlying assumptions, and update the model based on real results.

## ENTR 224 - BIAS AND MEDICAL DEVICE DESIGN: EXPLORING THE HIDDEN BIASES BEHIND MEDICAL PRODUCTS AND DEVICES

**Short Title:** BIAS AND MEDICAL DEVICE DESIGN

**Department:** Entrepreneurship

**Grade Mode:** Standard Letter

**Course Type:** Lecture

**Credit Hour:** 1

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Lower-Level

**Description:** This course explores the hidden biases that exist in product design with a focus on the tradeoffs entrepreneurs and innovators face when making decisions on how to design, build, and test their medical products and devices. Through the lenses of failed medical devices, poorly designed clinical trials, lack of stakeholder understanding, and interpretation bias students will discuss opportunities to proactively increase diversity of users that can lead to a more impactful, inclusive design. Assessments will consist of in and out of class exercises, reflections and a group project.

## ENTR 360 - FOUNDER'S JOURNEY

**Short Title:** FOUNDER'S JOURNEY

**Department:** Entrepreneurship

**Grade Mode:** Standard Letter

**Course Type:** Lecture/Laboratory

**Credit Hours:** 1.5

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:** Founders Journey is a front row seat to how real products and companies actually get built. Each week during fireside chats, you'll sit across from founders who've crafted ideas, raised capital, crashed into walls, pivoted, and figured out how to survive the hard way. There is no theory for theory's sake here — just raw stories, honest lessons, and the patterns of work and viewing the world that separate thrashful motion from momentum with meaning. This class is about rewiring how you think: what entrepreneurs look and act like, how to spot real problems, test what matters, and move with conviction when the path isn't obvious to anyone around you. In Founders Journey, you won't just learn about entrepreneurship, you'll start to see the world around you through the eyes of a founder.

## ENTR 361 - COMMUNICATIONS FOR ENTREPRENEURS

**Short Title:** ENTREPRENEURIAL COMMUNICATION

**Department:** Entrepreneurship

**Grade Mode:** Standard Letter

**Course Type:** Laboratory

**Credit Hours:** 3

**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

**Course Level:** Undergraduate Upper-Level

**Description:** Entrepreneurial Communication focuses on how communication drives action in startup and high growth environments. In early stage ventures, unclear messaging can stall progress, while effective communication can unlock resources, alignment, and momentum. This course equips students to communicate with purpose across key audiences including teammates, investors, and mentors. Through hands on practice, students will learn to navigate ambiguity, influence decisions, and move ideas forward throughout the venture lifecycle.

**ENTR 365 - DESIGN BUILD SHIP: RAPIDLY BUILDING STARTUP IDEAS****Short Title:** DESIGN BUILD SHIP**Department:** Entrepreneurship**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Prerequisite(s):** BUSI 220 or ENTR 220 or BUSI 222 or ENTR 222 or BUSI 369 or ENTR 369**Description:** Design Build Ship is an opportunity to put your ideas to test in weeks, not months. Using rapid prototyping tools to build physical and digital ideas, you will explore new startup ideas with prototypes that you test with users. You will refine your strategy, idea, and prototype based on feedback. To apply for this course visit <http://entrepreneurship.rice.edu> Instructor Permission Required.**ENTR 369 - NEW ENTERPRISES****Short Title:** NEW ENTERPRISES**Department:** Entrepreneurship**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Startups live or die by one question: does anyone actually want this? New Enterprises is your chance to find out. This course is experiential, team-based, and grounded in real customer discovery. You'll pick an idea, interview real customers, frame a problem worth solving, and design and run experiments to test whether your idea holds up. Based on what you learn, you'll decide whether to keep going, pivot, or stop. You'll walk away with the skills and mindset to think like an entrepreneur, whether you start your own venture, join one, or work inside a larger organization. Recommended Prerequisite(s): BUSI 221 or ENTR 221**ENTR 461 - FINANCING THE STARTUP VENTURE****Short Title:** FINANCING THE STARTUP VENTURE**Department:** Entrepreneurship**Grade Mode:** Standard Letter**Course Type:** Lecture**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Ever wondered how startups actually get funded? This course is experiential, team-based, and grounded in real deal work. You'll make sense of crowdfunding, angels, accelerators, and Venture Capitalists (VCs). You'll size markets, run a crowdfunding campaign, apply to an accelerator, assemble an angel round, negotiate a term sheet, and pitch investors. You'll also sit on the other side of the table, evaluating deals as a VC. You'll walk away knowing when to raise, who to raise from, and how deals really get done, whether you want to launch a venture, join one, or invest in them.**ENTR 463 - ENTREPRENEURIAL STRATEGY****Short Title:** ENTREPRENEURIAL STRATEGY**Department:** Entrepreneurship**Grade Mode:** Standard Letter**Course Type:** Seminar**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** The first half of this course provides an integrated strategy framework for entrepreneurs. The course is structured to provide a deep understanding of the core strategic challenges facing start-up innovators, and a synthetic framework for choosing and implementing entrepreneurial strategy in dynamic environments, as well as a general understanding of the financing options for early stage startups, including angel investment, accelerators, crowdfunding and the venture capital industry. The course identifies the types of choices that entrepreneurs must make to take advantage of a novel opportunity and the logic of particular strategic commitments and positions that allow entrepreneurs to establish competitive advantage. The second half of the course explores common dilemmas faced by founders surrounding team selection, contracting, equity compensation and incentives, communication in teams, and strategies for approaching each of these dilemmas. The course combines interactive lectures, speakers and case analyses. The cases and assignments offer an opportunity to integrate and apply the principles taught in the course in a practical way, and draws from a diverse range of industries and settings.**ENTR 465 - STUDENT VENTURE FUND: EVALUATING STARTUP INVESTMENT OPPORTUNITIES****Short Title:** STUDENT VENTURE FUND**Department:** Entrepreneurship**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Prerequisite(s):** BUSI 461 or ENTR 461**Description:** Students will identify, screen, and evaluate start-ups for investment by the Rice venture capital fund. Through this highly experiential course, students will learn tools for rigorously evaluating startup ventures for investment, valuing early stage companies, and structuring investments. Students will present their investment recommendations to an advisory committee.**ENTR 469 - LILIE NEW VENTURE CHALLENGE****Short Title:** LILIE NEW VENTURE CHALLENGE**Department:** Entrepreneurship**Grade Mode:** Standard Letter**Course Type:** Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Prerequisite(s):** BUSI 369 or ENTR 369**Description:** In this capstone project-based experiential learning course, students work on their own startup ideas in teams using the frameworks taught in the Entrepreneurship and Innovation (E&I) framework courses (strategy for startups, design and innovation, new enterprises, and entrepreneurial communication). To apply for this course visit <http://entrepreneurship.rice.edu> Instructor Permission Required.