

Fall 2020 Minor/Non-Major Academy Course Offerings:

ACAD-177 Digital Toolbox for Design (W 5-7:50pm)

This course covers the basics of industry-standard creative, analytical and presentation software. Applications include design, illustration, presentation and publishing.

ACAD-176 Rapid Visualization (T/Th 5-7:50pm)

Techniques, methods, concepts, tools, and materials that are used to quickly visualize and communicate ideas and develop problem-solving skills.

ACAD-182 Case Studies in Innovation (M/W 6-7:50pm)

Employing a case-study methodology, students analyze the artistic, technological, and entrepreneurial factors and address the conceptual, ethical, and logistical issues that lead to disruptive innovation.

ACAD-188 Digital Toolbox: Modeling Products I (M/W 6-7:50pm- runs weeks 1-8)

Tools and techniques specific to CAD design and design improvements, focused on the ideation and development new products.

ACAD-189 Digital Toolbox: Modeling Products II (M/W 6-7:50pm-runs weeks 9-16)

An investigation of the tools and techniques specific to intermediate CAD design and design improvements, focused on the ideation and development new products.

ACAD-245 Product Design I (T/Th 6-8:50pm)

An introductory course in learning how to design physical products, including the processes for determining consumer need, market opportunity and competitive product analysis.

ACAD-345 Product Design II (T/Th 2-4:50pm)

A thorough look into developing a feasible consumer product through implementing all aspects of the R&D; process, including consumer insights, competitive analysis, ideation, and manufacturability.

ACAD-275 Dev I (T/Th 5-7:50pm)

Web page design and creation, web objects, scripting and interactivity. Includes developing skills to design and build interactive websites.

ACAD-255: Advancing Journalism with Human-Centered Design (T/Th 6-7:50pm)

Employing a human-centered design framework, students research and develop novel solutions to experience, collaboration, and cultural issues that pervade newsrooms worldwide.

ACAD-324 The Practice of Design: Ideation to Innovation- Arts GE (T/Th 5-7:50pm)

History and application of proven collaborative design processes and methodologies as they relate to ideation and innovation.

ACAD-261: Human Health and Technology (M/W 12-1:50pm)

Introduction to major concepts and theories on the biological, scientific and technological aspects of health care and disease prevention and management. mHealth, surveillance, electronic/personal health records, wearables, virtual/augmented realities, telehealth.

ACAD-362: Analytics for Health Innovators (M/W 6-7:50pm)

Theory and methods of health data analytics, including foundational knowledge in statistical methods, data mining, big data applications, visual analytics and physician performance.

ACAD-499: Visionary Storytelling (T/Th 2-3:50pm)

Methods and frameworks for active storytelling across and within disciplines strategically aligned to one's vision and enterprise.

***ACAD-276 Dev II** (T/Th 2-4:50pm)

Fundamentals of server-side scripting and web templates. Design and creation of data structures and databases. Visualize analytics and data.

***ACAD-302 The Hacker Imagination** (M/W 10-11:50pm)

Exploring issues in innovation, design and invention from the perspective of the hacker imagination.

***ACAD-187: Digital Toolbox: 3D** (T/Th/F 8-9:50am)

Basics of industry standard software for modeling and rendering 3D materials, objects and lighting. Includes instruction in pipelines for 3D assets.

***ACAD-207: Multimedia I** (M/W 5-7:50pm)

Basics of industry-standard hardware and software specific to creating effective and compelling multimedia experiences.

Note: No longer has the pre-req of ACAD-177 Digital Toolbox for Design

*Course is prioritized for Academy majors in the Fall. After all majors are registered, any remaining spots in the class may be open to minors

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