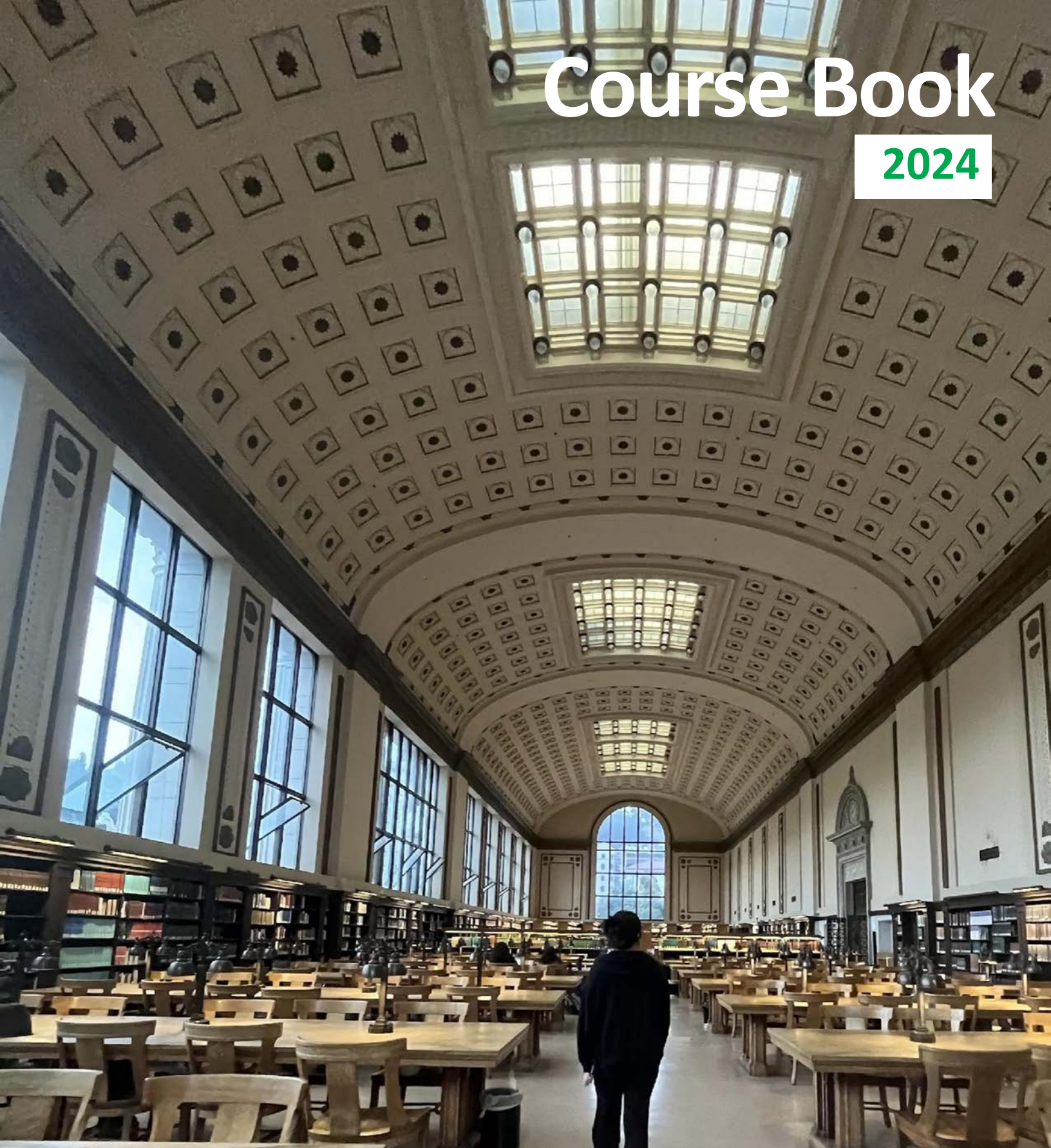


Course Book

2024



summer
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UC BERKELEY
HIGH SCHOOL PRE-COLLEGE ENRICHMENT



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For more information on our programs, visit www.summerdiscovery.com

COURSE TITLE

M.E.T. Innovation Academy

SUBJECT AREA

Business; Business & Engineering

COURSE DESCRIPTION

The Berkeley M.E.T. Innovation Academy is a hands-on summer program for rising high school juniors and seniors interested in being at the forefront of tech and entrepreneurship. Study at the #1 public university in the world and learn from top-ranked faculty at the Haas School of Business and College of Engineering. M.E.T. Summer program students will get real-world experience solving business and tech challenges and interface with world-renowned corporates and organizations. Network with successful entrepreneurs from the heart of Silicon Valley and Berkeley M.E.T. student entrepreneurs.



COURSE TITLE

Emergency Medicine & Health Sciences Academy

SUBJECT AREA

STEAM; Medicine

COURSE DESCRIPTION

The exploration of the field of healthcare will encourage deep learning and practical application of the technical and personal skills necessary to succeed in any health professional school. Action-based simulations led by experts will expose students to the daily work life of a healthcare professional, including suturing, dissection, and trauma response, clinical diagnostic simulations, case studies, and lively class discussions. This interactive approach to learning encourages teamwork, teaches leadership, and targets skill development that students can apply to a future career in any health profession and beyond into their personal lives. A critical role of this course is to provide students with insight into the various paths required for undergrad, graduate, and postgraduate coursework necessary in their field of interest. Students will explore the diversity of health-related professions and begin to hone the skills, understanding, and determination required to succeed in healthcare. Features may include visits to simulation labs, healthcare settings, and panelists in various stages of healthcare careers.



COURSE TITLE

Psychiatry & Neuroscience Academy

SUBJECT AREA

STEAM; Medicine

COURSE DESCRIPTION

Psychiatry and neuroscience play an integral role in modern medicine and are at the forefront of research to find solutions to some of the world's most vexing health problems today. In this interdisciplinary crash course, students gain a deeper understanding of the complex workings of the human brain and how the discipline is advancing the field of healthcare. The comprehensive curriculum addresses topics such as the biology of mental illness, psychopharmacology, and the ethical considerations involved in treating patients with mental health disorders. Through a hands-on and interactive learning approach, students participate in guided simulations to apply conceptual frameworks to real-world examples. Interactive learning techniques may involve role-playing exercises, case studies, and laboratory sessions that will help students refine skills in patient communication, critical thinking, and problem-solving. Whether you decide to pursue a career in psychiatry and neuroscience or decide another health science is more up your alley, you'll hone durable skills that are essential for success in your professional future. By providing a well-rounded curriculum that balances theory with practical application, students will leave the course prepared for the path to a successful career in health science.

