

## **LIST OF FYS AND FFYS COURSES**

**(DOES NOT INCLUDE SEMINARS IN THE RAP, HONORS, NURSING, ISENBERG BUSINESS PROGRAMS)**

**FALL 2022**

### **BDIC (Bachelor's Degree Individual Concentration)**

Designing Your College Life: How to Thrive in College and Beyond (FYS 191 BDIC 01)

### **COMPUTER SCIENCE (Manning Computer Science)**

Mobile and Wearable Technologies (FYS 191 MCS 01)

Is Your Wireless Lightbulb Spying on You? (FYS 191 MCS 02)

Computing for a Sustainable Future (FYS 191 MCS 03)

Neuroscience and AI (FYS 191 MCS 04)

Data Science for Good (FYS 191 MCS 05)

Know Your Impact: Ethics in Computer Science (FYS 191 MCS 06)

Thinking with Machine Learning (FYS 191 MCS 07)

Fostering Inclusion by Engaging in Real-World Computing Education (FYS 191 MCS 08)

Exploring Modern Computing (FYS 191 MCS 09)

### **EDUCATION**

Becoming a College Student (FYS 191 EDU 01)

Careers in Education (FYS 191 EDU 02)

Intercultural Communication at UMass (FYS 191 EDU 03)

Education: Revisited and Reimagined (FYS 191 EDU 04)

Identity in Motion: From Student to Future Educator (FYS 191 EDU 05)

Social Media and What it Teaches US (FYS 191 EDU 06)

What is Education for Social Change? (FYS 191 EDU 07)

## **ENGINEERING**

Engineering Thinking (FYS191 ENG 02)  
How to Think Like an Engineer (FYS191 ENG 03)  
The Math Behind Engineering (FYS 191 ENG 04)  
Grand Challenges in Engineering (FYS 191 ENG 05)  
Engineering in the Developing World (FYS 191 ENG 06)  
Water for Life and Environmental Racism (FYS 191 ENG 07)  
Electricity, Environment, and Equity (FYS 191 ENG 08)  
Engineering for Health and Mobility (FYS 191 ENG 09)  
Applications of Biomedical Signal Processing in an Aquatic Environment (FYS 191 ENG 10)  
Modeling and Data Storytelling (FYS 191 ENG 11)  
Historical Perspectives of Civil Engineering (FYS 191ENG 12)  
Climate Change and Engineering: Designing for an Uncertain Future (FYS 191 ENG14)  
Introduction to Internet of Things and Recent Developments (FYS 191 ENG 15)  
Climate Readiness: Action Not Anxiety (FYS 191 ENG 16)  
Engineering Health (FYS 191 ENG17)  
Robotic Technology in Healthcare (FYS 191 ENG 18)  
Women's Health Device Design (FYS 191 ENG 19)

## **HUMANITIES AND FINE ARTS**

From Black Power to Black Lives Matter (FYS 191 HFA 01)  
Ancient Myth in Art and Architecture (FYS 191 HFA 02)  
Star-Crossed Lovers Across Genres: Romeo and Juliet Through Adaptation (FYS 191 HFA 03)  
Choosing to Swim or Floating Downstream: Making (College) Life Intentional (FYS 191 HFA 04)  
Taking Action: Student Movements Today (FYS 191 HFA 05)  
Prisons and Policing: An Introduction to the Carceral State (FYS 191 HFA 06)  
Eyesores or Eye Candy? Exploring Brutalist Architecture at UMass and Beyond (FYS 191 HFA 07)

Imagining Artificial Beings (FYS 191 HFA 08)

Imagined Futures in Times of Change (FYS 191 HFA 09)

Where Are We Walking? Exploring UMass with Indigenous Knowledges (FYS 191 HFA 10)

Hacking Happiness: The Science and Philosophy of Well-Being (FYS 191 HFA 11)

Stop and Hear the Roses: Soundscapes of UMass (FYS 191 HFA 13)

### **NATURAL SCIENCE**

How Does Identity Shape Science? (FYS 191 CNS 02)

The Art of Thinking: A Journey towards the Big Picture of Mathematics (FYS 191 CNS 10)

Going off the Grid is off the Table: Pros and Cons of "Big Data" in Today's World (FYS 191 CNS 11)

Our Probabilistic Universe: How to Calculate Risks (FYS 191 CNS 12)

The Microbiology of Food (FYS 191 CNS 20)

Food, Nutrition & Health (FYS 191 CNS 21)

Say Hello to What's in Your Stomach (FYS 191 CNS 22)

Triple Threat: Water, Food and Energy Insecurity! (FYS 191 CNS 23)

The World of Chocolate: From Bean to Bar (FYS 191 CNS 24)

Decipher Food: Understand Worldwide Food Culture (FYS 191 CNS 25)

A Daily Dose of Nature: Green Prescriptions (FYS 191 CNS 26)

What Does the Fox Say?: Communication in the Animal World (FYS 191 CNS 30)

Invertebrate Sensory Worlds (FYS 191 CNS 31)

What Bacteria Can Teach Us About Thriving (FYS 191 CNS 32)

Biology but Make it Gay (FYS 191 CNS 33)

This Class is Going Viral (Introduction to Viruses) (FYS 191 CNS 34)

This is a Disaster: Investigating Environmental Tragedies and Justice (FYS 191 CNS40)

First Generation Earth, Environmental and Sustainability Seminar (FYS 191 CNS 41)

Order and Chaos: Reconciling Atomic Randomness and the Human World (FYS 191 CNS 50)

Intersection of Art and Astronomy (FYS 191 CNS 51)

Physics in the Kitchen (Introduction to Soft Matter Physics via Food & Other Materials) (FYS 191 CNS 52)

Survive and Thrive at UMass [*for International Students only*] (NATSCI 191 CNS 02)

### **PUBLIC HEALTH AND HEALTH SCIENCE**

U-Thrive: The Science of Human-Animal Interaction (FYS 191 PHHS 01)

U-Thrive: Health in Gen-Z (FYS 191 PHHS 02)

U-Thrive: Leadership and Health (FYS 191 PHHS 03)

U-Thrive: Sleep and Physical Activity Across the Lifespan (FYS 191 PHHS 04)

U-Thrive: Connecting Health & Society (FYS 191 PHHS 05)

U-Thrive: Neurodiversity, Physical Activity & Star Wars (FYS 191 PHHS 06)

U-Thrive: The Science of Fitness for all Bodies through Pop Culture (FYS 191 PHHS 07)

U-Thrive: Marijuana Legalization & Health (FYS 191 PHHS 09)

U-Thrive: Public Health Culture Wars (FYS 191 PHHS 10)

U-Thrive: Technology and Physical Activity (FYS 191 PHHS 11)

U-Thrive: Public Health Fact or Fiction (FYS 191 PHHS 12)

Getting on Track: First Year Exploration Seminar (FYS 191 PHHS 08)

### **SOCIAL AND BEHAVIORAL SCIENCE**

Pathways to College Success (FYS 191 SBS 01)

Talking Bones (FYS 191 SBS 02)

Power, Labor, and Social Change (FYS 191 SBS 03)

Who Cares?: Understanding the Care Economy (FYS 191 SBS 04)

Unpacking Globalization (FYS 191 SBS 05)

Building Sustainable Communities From the Ground Up (FYS 191 SBS 06)

Journalism Success (FYS 191 SBS 07)

Don't Panic: A Guide to College, Economics and the World Beyond (FYS 191 SBS 08)

Please Rate Me 5 Stars?: Work in the Platform Economy (FYS 191 SBS 09)

Activism and Social Movements at UMass (FYS 191 SBS 10)

### **FACULTY FIRST-YEAR SEMINARS**

The Social Life of Your DNA (FFYS 191 BIO 12)

The Biology and Behavior of the Domestic Cat (FFYS 191 BIO 6)

Art and Culture at UMass (FFYS 191 CL 01)

Radical America: The History That Was Left Out (FFYS 191 COMM 4)

Hollywood goes to College (FFYS 191 COMM 5)

Sustainability of Water Resources (FFYS 191 ECO 2)

Time Management and Time Literacy (FFYS 191 EDUC 21)

The Power of Play in Early Education (FFYS 191 EDUC 25)

We need to take F.U.N.N. more seriously (Functional Understanding Not Necessary) (FFYS 191 EDUC 26)

Don't Believe Everything You Think: How to Make Your Brain Work For You, Rather Than Against You (FFYS 191 EDUC 27)

LGBTQ+ Issues in Education (FFYS 191 EDUC 28)

Ready, Set, Write: Writing for Beginners (FFYS 191 EDUC 5)

Sex, Drugs, and Chaucer's Greatest Hits (FFYS 191 ENGL 10)

Maritime Law and Literature (FFYS 191 EW 2)

Ghosts (FFYS 191 EW 3)

Deep Looking: Reading Images, Reading Texts, Reading Ourselves (FFYS 191 FYS 6)

Beyond the Mat: Developing Your Individualized Yoga Practice for Thriving in College (FFYS 191 FYS 7)

The Neuroscience of Success (FFYS 191 FYS 9)

Chinese American History (FFYS 191 HIST 15)

Nature Writing (FFYS 191 HIST 8)

Strumming and Singing: Participatory Music Making on the Ukulele (FFYS 191 MUS 4)

Listening to Music (FFYS 191 MUS 7)

The Polymer Age (FFYS 191 POLY)

Electron Microscopy: The World of Molecules and Atoms (FFYS 191 PSE 3)

Giving Voice to Adoption (FFYS 191 PSY 16)

Experiments in Happiness (FFYS 191 SBS 1)

UMass for all - Inclusion, Diversity, and Equity: The Obstacles to Overcome (FFYS 191 ST 2)

Pop Poetry by and for Young Adults (FFYS 191 UW 4)

**RAP (Residential Academic Programs) Seminars**

**(open only to those living in the affiliated RAP)**

FYS 191MCS10 FYS- CICS Connect RAP: FIERCE

FYS 191HFA15 FYS- HFA Connect RAP First Year Seminar

FYS 191CNS01 FYS- RAP First Year Seminar