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ADULT ONLINE COURSES

WEEK 1: JULY 12-16
Digital Photography: Finding Style in the Photo Studio
Taught by David and Jennifer Todd
Each day will begin with an in-depth look into one photographer’s portfolio and a discussion of their aesthetic motivations and technical decisions. After a short break, we'll move into the lighting studio and get to work recreating an iconic image from the morning’s discussion.

Italy on Film: 1860 to the Present
Taught by K. E. von Wittelsbach
Examine how historical and social phenomena have been represented in the masterpieces of Italian cinema. We’ll begin by taking a close look into the birth of modern Italy and continue by studying the growth of Italian liberal democracy, World War I and II, social upheavals of the 1960s, and new social dynamics arising from recent waves of immigration.

WEEK 2: JULY 19-23
Natural History of the Finger Lakes
Taught by Cole Gilbert
Dig into Central New York’s amazing natural history by examining the flora, fauna, and formations that flourish here today. Lectures will describe the rich forest ecosystem of the area, examine the diversity of microbes, fungus, and arthropods that flourish here, and discuss the interconnectedness of each organism to its habitat.

Unpacking Poetry: The Pleasure & Process of Reading Poems
Taught by Charlie Green
Under the direction of Charlie Green, we'll move away from trying to “get” poems and toward experiencing them, in both formal and free verse. Through discussions and daily writing, we'll explore how to take pleasure in reading poetry.

WEEK 3: JULY 26-30
Archipelago: Indonesia Past & Present
Taught by Eric Tagliazucchi
Join us in examining Indonesia, the largest Muslim country in the world. We'll start with the oldest known records of this incredible place, when Hinduism and Buddhism washed over the archipelago, and finish with the Indonesian Revolution in the mid-20th century and contemporary Indonesia.

Evaluating Wines: The Taste in Your Glass
Taught by Kathy Arnink
See, swirl, sniff, sip, spit, and savor are the ‘S’ steps we’ll follow in our wine evaluations, plus an overarching ‘S’ for ‘science.’ You’ll learn how these flavors develop in grapes and wines and how the winemaking process changes concentrations of these chemicals to impact your wine experience. Grab a glass and join us!

WEEK 4: AUGUST 2-6
Biodiversity: Indicators of Ocean Health
Taught by Drew Harvell
How do we gauge the health of our oceans? Using models from Cornell’s Blaschka Collection and work in tropical and temperate oceans, Drew Harvell takes the pulse of Earth's marine life, discussing climate change, marine invertebrate biodiversity, disease ecology, conservation biology, and the path to a sustainable future.

Space Cases: Virtual Forays into a Built Present & Future
Taught by Roberta Moudry
Using the Cornell campus as our reference point, we'll explore spaces of learning and living, healing and movement, memory, and survival. Our goal is to learn from and celebrate architectural and spatial successes as well as to debate and imagine how our heightened awareness can inform the ways we experience the physical form of our present and future.

YOUTH/TEEN ONLINE COURSES

WEEK 1: JULY 12-16
Discovering the World of Physics
Taught by Nicole Johnson
Explore the laws of nature with this introduction to physics. You’ll focus on understanding motion, energy, electricity, magnetism, and how they govern the physical universe. You’ll learn scientific principles and processes, present your own hypotheses, conduct experiments, solve problems, and think abstractly and critically. (Teen 13-15)

Taking Flight: An Introduction to the World of Birds
Taught by Jen Walsh-Emond
Learn about the songs, colors, and behavioral displays of the birds in your own backyard. Designed for beginning birders, this course will lead you through basic bird identification, available birding resources, and virtual activities. Come learn what makes birds so fascinating. (Youth 10-12)

WEEK 2: JULY 19-23
Cryptography
Taught by Nicole Johnson
Ready to try your hand at real-world code breaking? This course explores transforming intelligible messages into a stream of ciphers, coded text, and mathematical algorithms so you can crack codes and create your own. (Teen 13-15)

Intro to Engineering
Taught by Jeremy Keys
Learn about engineering science! In thousands of ways, engineers put scientific knowledge to practical use. Whether you’re interested in designing roads and bridges, electrical systems, or machines, or working with computers in a lab, this course will introduce you to engineering principles and research in engineering. (Youth 10-12)

WEEK 3: JULY 26-30
Biomedical Engineering
Taught by Jeremy Keys
Connect with leading researchers in STEM and explore the possibilities of biomedical engineering. You’ll explore careers in biomechanics, prosthetics, environmental science, neuropsychology, tissue engineering, epidemiology, biophotography, pharmacology, and beyond. (Teen 13-15)

Eight-legged Science: Biology & Behavior of Spiders
Taught by Linda Rayor
No matter how you feel about spiders, you’ll learn that these stunningly diverse creatures are capable of amazing feats and can be remarkably beautiful. You’ll explore how spiders use their markings to attract females, deter potential predators, or better blend into their habitat. (Teen 13-15)

WEEK 4: AUGUST 2-6
Animals: An Overview of Veterinary Medicine
Taught by Laci Taylor and Djion Holness
If you are considering a career as a veterinarian, farmer, zookeeper, trainer, or pet-shelter technician, this course will introduce you to the training, skills, and responsibilities required to work in the profession. You’ll explore veterinary public health and preventive medicine, animal welfare and clinical ethics, and the human-animal bond and its implications for husbandry and medicine. (Teen 13-15)

Understanding Stars
Taught by Zachary Huber
Have you ever wondered what stars are made of? Or why they shine? Or how telescopes work? Discover the life cycle of stars, understand how scientists learn about them, find and identify stars with and without a telescope, investigate the physics of the sun, and peek inside current astronomy research at Cornell. (Youth 10-12)