



**English Language & TEFL Programs**

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**Experience University Research**  
COURSE DESCRIPTIONS & INSTRUCTOR BIOGRAPHIES

**CORE COURSES (required)**

**Academic Presentation Skills (20 hours)**

The goal of this course is to prepare advanced level students for the university setting. Academic vocabulary is reviewed, clarity of speech is a focus, and effective note-taking is practiced. Listening passages will include academic lectures, authentic English-language reports and documentaries, such as NPR reports and TED lectures, and authentic English-language sitcoms or dramas. Examples of learning activities in this course include class discussions, individual and group presentations, listening logs, listening quizzes, and leading discussion groups. The emphasis of this course is on developing communication skills and listening strategies that are essential in academic settings.

**Research Methodology (20 hours)**

The goal of this course is to prepare advanced level students for academic reading and writing at the university level, particularly in relation to their chosen fields of study. Reading focuses on higher-level skills, such as analyzing types of support, audience, tone, and effectiveness of argumentation. Some timed reading will assist students to develop their reading speed and efficiency. Academic writing focuses on the academic essay, with special emphasis on support (summarizing, paraphrasing, quoting, and documenting sources, format) and on response to readings (analysis, synthesis, short and essay question answers). An on-going focus is on skills required for a 5-8 page research paper with appropriate citations and formal bibliography adhering to APA format.

**ELECTIVE COURSES (choice of one per session)**

**Social Ecology: Intro Environmental Analysis and Design (12 hours)**

The goal of this course is to explore science-driven solutions to major global challenges. Students will investigate such topics as why access to clean water is so difficult both globally and locally, what can be done about it, and how to transcend the negative impacts of a changing environment. In doing so, students will study real-life examples and be given the opportunity to apply creative thinking to shed new light in how to address environmental challenges.

**Instructor: Prof. John Whiteley, UCI School of Social Ecology**

**Biology of Oriental Medicine (12 hours)**

The goal of this course is to study the scientific basis of Oriental Medicine, including acupuncture, herbal medicine, tui na massage, and tai chi/qigong. There will be emphasis on the latest scientific research and clinical studies, introducing modern technologies and strategies used in biomedical research. Students will be asked to consider how traditional Oriental and Western practices of medicine might be best integrated.

**Instructor: Prof. Shin Lin, UCI School Biological Sciences**

**Engineering: Designing and Integrating IOT Devices (12 hours)**

The goal of this course is to teach students to use Raspberry Pi single-board computers in order to design and develop fun and practical IOT devices while learning programming and computer hardware. In addition, students will learn how to set up the Raspberry Pi environment and how to use Python-based IDE (integrated development environments) for the Raspberry Pi. In this course, students will use a kit to create a IOT devices using a Raspberry PI. You will also build and test a system. The project will leave room for students' creativity in how to approach the project.

**Instructor: Saleem M. Yamani, MS, Senior Principal Software Engineer for Western Digital**

**Business Project Management (12 hours)**

This short course consists of four, three-hour workshops, which will provide an overview of the basic knowledge necessary to initiate, plan and execute a research-based project. The workshops will be interactive and involve the participants in creating the necessary actions and documentation to plan and act on a multi-functional research and development type project. Learning objectives are to both learn the standard and universal concepts regarding planning and execution of R and D type Projects and second to practice and develop the necessary information and put them into the standard project documentation.

**Instructor: Martin Wartenberg, BSEE, MSEE, MBA, Licensed Professional Engineer (P.E.)**

**International Business Law (12 hours)**

In this course, students will learn about major legal concepts relevant to international business professionals. An emphasis will be placed on legal issues commonly faced by multinational corporations. Key topics will include international trade agreements, treaties governing aspects of trade, contract law, intellectual property rights, and international dispute resolution.

**Instructor: Karn Thapar, J.D.**

**Advanced Computer Science (12 hours)**

Course description not available yet

**Instructor: TBD**

## **INSTRUCTOR BIOGRAPHIES**

### **Prof. John Whiteley, UCI School of Social Ecology**

John Whiteley earned his Ed.D. at Harvard University and has taught at UC Irvine for over 40 years. He is currently Professor of Environmental Health, Science, and Policy at the School of Social Ecology at UC Irvine. His research focuses on the moral development of late adolescence to early adult development and the social ecology of peace. His publications include *Water, Place, and Equity* (2009) and *Quest for Peace: An Introduction* (1986). He has lead several initiatives for increasing global cooperation, local equality, and sustainability in local and global policies.

### **Prof. Shin Lin, UCI School Biological Sciences**

Dr. Shin Lin, the Director of the Laboratory for Mind-Body Signaling and Energy Research, holds full professor appointments in the Department of Developmental & Cell Biology and the Department of Biomedical Engineering at the University of California, Irvine. He is also a member of the faculty of the Susan Samuelli Center for Integrative Medicine and the Interdepartmental Graduate Program in Neuroscience at UC Irvine, and held a Visiting Professorship at the Shanghai University of Traditional Chinese Medicine from 2005 to 2007. In 2008, he was appointed by the U.S. Secretary of Health and Human Services to a 4-year term on the National Advisory Council for Complementary and Alternative Medicine at the National Institutes of Health. Dr. Lin is an internationally known expert on multidisciplinary studies on the regulation of the cellular structure and movement of normal and cancer cells.

### **Saleem M. Yamani, MS**

Saleem M. Yamani, MS, is Firmware Engineering Manager for Western Digital in Irvine, CA. He has more than 20 years' experience in the embedded software engineering field. He has worked in design, and implementation of embedded software programming in various high tech industries, which include Computer, Networking and Hard Disk Drives. He has taught C programming language at Saddleback College for 2 years. Currently he has been teaching Embedded System courses at UCI Division of Continuing Education for past 6 years.

### **Martin Wartenberg, BSEE, MSEE, MBA, Licensed Professional Engineer (P.E.)**

Martin Wartenberg has over 30 years in High Technology Companies in every position from Engineer to Vice President Research and Development and Company Senior Executive (CEO, COO). Martin has taught Project Management, Product Development, Creativity and Innovation at UCI, UCSD and UCSC. He has taught and consulted with companies in Europe, Asia and South America. His experience included; New Product Development, Medical Devices and Instrumentation and Oil Field Instrumentation as well as both Military and Commercial Aerospace. He is currently working with UCI delivering project management courses in the International Accelerated Program as well as delivering classes to companies in the United States and China.

### **Karn Thapar, J.D.**

Karn Thapar, J.D., has years of experience in the practice of international law. He first worked at a large law firm in downtown Los Angeles representing companies merging or acquiring with overseas company. This firm focused on large-scale corporate transactions and much of his work was in the APAC region. Thereafter, Karn launched his own legal practice representing American companies being acquired internationally and international investors investing in the United States. He has international legal experience as he worked over the course of the past year for Ernst & Young in London, UK. His area of expertise, while in London, was advising clients on cross-border transactions, requiring a deep understanding of contracts for goods and services across 30+ countries.