Classes without Quizzes

Saturday, September 28, 2019
9:30 AM - 1:00 PM

Open House and Campus Visit Day!

Grab a front-row seat as esteemed NPU faculty explore today's most pressing issues, unveil cutting-edge research and remind us how good it feels to learn something new.

Shake off the cobwebs and learn something new: class is in session!

Cost: FREE

When: Saturday, September 28, 2019
9:30am to 1:00pm PDT

Where: Northwestern Polytechnic University
East Building 105 Fourier Ave
Fremont, CA 94539

Schedule of the Day
9:30 am | Check-in & Registration
9:50 am | Welcome & Introduction
10:00 am | Class Session 1
11:00 am | Class Session 2
12:00 pm | Refreshments & Conversation

We have great classes - You won't want to miss a single minute.

Check out the Classes & Register today @
www.npu.edu/CWQ
Featured Classes

Class
Admissions & Financial Aid

Featured Speaker
Monica Sinha
Director of Admissions

Course Description
Admissions & Financial Aid information sessions in order to help you learn more about our undergraduate and graduate degree programs, admissions requirements, options for financial aid and future careers in your chosen field. Come and learn from our University Staff and Faculty about what NPU can do for you!

10:00 AM - 10:45 AM
11:00 AM - 11:45 AM

Monica Sinha has been the Director of Admissions at NPU for over 10 years. Her wealth of knowledge, love for the students and families, is second to none. She has extensive experience in assisting domestic and international students navigate the admissions, financial aid, scholarships and international immigration requirements. Come and hear Monica share what is needed for admission to NPU!

Class
Business As Usual

Featured Speaker
Jim Connor
Dean, School of Business

Course Description
Our Dean of Business will share about NPU's bachelor’s and master’s programs, faculty expertise, industry connections, the best way to prepare for the business degree programs and the University's commitment to the success of our students and alumni. Don’t miss this opportunity to hear from the Dean!

10:00 AM - 10:45 AM
11:00 AM - 11:45 AM

Because of his love for training, Jim decided to try teaching, and became an instructor at UC Santa Cruz and UC Berkeley Extension programs. He then became the UC Berkeley Extension Director for the Business, Technology, and Engineering portfolio, because he wanted to help students gain practical experience and real-world skills. As the Director, he explored opportunities to collaborate with NPU. Knowing that NPU's values closely aligned with his, Jim started teaching at NPU in 2013. His corporate and teaching experience, along with his undergraduate and graduate education, make him an outstanding leader and academic Dean of the School of Business and Co-Chair of NPU's General Studies.

Class
Deep Learning in TensorFlow

Featured Speaker
Alex Yang
NPU Faculty

Course Description
Deep learning networks are developed from shallow neural nets with more hidden layers, so called more depth. These kinds of nets are capable of image insight/analysis, audio AI, and sequence-to-sequence models of text, which constitute the vast majority of data in the world. Deep learning algorithms are very closely associated with industrial IoT, autonomous cars, and AI robots. TensorFlow is an end-to-end open source library to implement deep learning, which is already provided in Google colab TPU as a free cloud service. In this course, you will be able to learn fundamentals and contemporary usage of the Tensorflow library for deep learning. And the different types of deep architectures, such as Convolutional Neural Networks, Recurrent Neural Networks, Autoencoders and Unsupervised Learning are explored by applying Tensorflow functions to tune the weights and biases through forward propagation and backpropagation. Finally, you will build and structure different complexity networks best suited for the capstone projects.

10:00 AM - 10:45 AM
11:00 AM - 11:45 AM
Class Effective Emotional Intelligence at Work and in School

Featured Speaker
Dr. Mariam Ghazvini
NPU Faculty
10:00 AM - 10:45 AM

Course Description
Emotions are a vital factor in individual and team success, both at work and in school. In this workshop, we will illustrate how a popular Emotional Intelligence framework can be applied to help you detect interpersonal misunderstandings as well as improve professional behavior, team efficiency, and understanding during job interviews. Time will be reserved at the end for the audience to discuss real situations that they have experienced.

Dr. Mariam Ghazvini holds an Ed.D. degree from USC, a Master’s degree in Counseling from Santa Clara University, and a Master’s degree in Education from San Jose State University. She is a Professional Mentor, Coach, and Distinguished Toastmaster. Her favorite areas of research and teaching include Successful Approaches to Leadership, Emotional Intelligence, Management Tactics, and Human Resources Management.

Class Fixing Agile in the Corridors of Corporate America

Featured Speaker
Dr. Swapna Sinha
NPU Faculty
10:00 AM - 10:45 AM
11:00 AM - 11:45 AM

Course Description
Does your team or organization have projects that are over budget or past the deadline? Agile management strategies and techniques are field-proven to work successfully on both large and small projects. In this talk and follow-up question & answer session, you will be introduced to common causes of project failure and ways to prevent it, as well as ways to effectively work with teams, middle management, and senior leadership. We will also introduce the basic principles and core values of Agile's approach to creating successful change and reliably delivering results faster and on budget.

Dr. Sam is an Agile Coach, CEO of strategisminc.com, Professor, writer, investor, coach mentor, and guide to several C level professionals in the Silicon Valley. He Does a Radio Show every Thursday on AM 1170 from 3-330 PM - "Tech Chai with Dr. Sam". He has written several books, articles, blogs, and is on the Board of several Bay Area companies. He can be contacted at sam@strategisminc.com.

Class Hot Technologies in 2020 and Beyond

Featured Speaker
Ahmed Banafa
NPU Faculty
10:00 AM - 10:45 AM
11:00 AM - 11:45 AM

Course Description
Prof. Banafa will discuss each technology its applications and challenges with real life cases. The interaction among all the four technology will be explored with focus on future trends in each of technology. As all technologies can be summarized in one word IBAC (IoT, Blockchain, AI, Cybersecurity) they can be explained with the following words: IoT: senses, Blockchain: remembers, AI: thinks, and Cybersecurity: protects.

Prof. Ahmed Banafa, No. 1 Voice to Follow in Tech & influencer on LinkedIn Expert: IoT-Blockchain-AI | Author | Keynote Speaker (37K+ followers). Professor Banafa is a professor at San Jose State University in the College of Engineering. Prof Banafa also teaches many extension courses with Stanford University and hosts IBAC webinars to professionals throughout the world.
### Class
**Intro to Data Science**

**Featured Speaker**
Dr. Vidhyacharan Bhaskar  
NPU Faculty

10:00 AM - 10:45 AM

**Course Description**
Data science is the hottest field of the century. In this introductory lecture, we will learn about basic concepts in data science, such as data collection, data cleaning, data preparation, data analysis, and basic machine learning models. Some examples will also be discussed.

Dr. Bhaskar’s broad research and teaching interests include Wireless Communications & Networks, Signal processing, Error control coding, and Queuing theory. Dr. Bhaskar has won several National awards for outstanding academic and research contributions in coding theory applications for contemporary 4G wireless systems. Dr. Bhaskar is a Senior Member of the IEEE (SM-IEEE) since March 2013 and is a Life Fellow of the Institute of Electronics and Telecommunication Engineers (F-IETE), and Life Fellow of Institute of Engineers (F-IE) in India. Dr. Bhaskar is also a professor at [San Francisco State University in the College of Engineering](http://www.sfsu.edu).

### Class
**Java Programming**

**Featured Speaker**
Dr. Vander Zanden  
NPU Faculty

10:00 AM - 10:45 AM  
11:00 AM - 11:45 AM

**Course Description**
“What are some fun things to do in Java?” That depends on what interests you. This courses gets you excited and helps you understand the fun of Java programming; Some java programming possibilities include: Programs that draw pretty things on the screen, possibly accompanied by sound. Look up the Demoscene for ideas; Games; Interactive programs that do useful (or even silly) things, such as converting units or translating words (typed into a text box) from English to Pig Latin; Command-line programs, likewise. (E.g., accept a filename on the command line, and write its Pig Latin translation on standard output); Android apps. Clocks are a popular first choice.

Dr. Vander Zanden is not only a Professor in the School of Engineering at NPU he is a Staff Engineer at Synopsys, Inc. Synopsys, Inc. is a Computer Software company based in Mountain View, CA. "Synopsys is at the forefront of Smart, Secure Everything with the world's most advanced tools for silicon chip design, verification, IP integration, and application security testing. Their technology helps customers innovate from silicon to software, so customers can deliver Smart, Secure, Everything." [www.synopsys.com](http://www.synopsys.com)

### Class
**Moving Startup Ideas from Your Head to the Hands of VCs**

**Featured Speaker**
Dr. James Nysather  
NPU Faculty

10:00 AM - 10:45 AM  
11:00 AM - 11:45 AM

**Course Description**
Do you have an idea for a startup company or product, but have trouble putting pen to paper? This short course will introduce you to the Business Model Canvas as a way to better understand your business model and get started on your plan and pitch deck. Resources for entrepreneurs will be made available.

Dr. James Nysather has 30 years of experience in business, startups, and academics, with a special interest in marketing and entrepreneurship. He holds a Doctor of Business Administration degree from Northwestern Polytechnic University and an MBA from the Thunderbird School of Global Management. Courses he likes to teach include business analytics, management, and organizational behavior.
### Class: Overcoming Fear of Public Speaking

**Featured Speaker:** Michael Leinhos  
NPU Faculty  

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<td>10:00 AM - 10:45 AM</td>
<td>Does the thought of public speaking sometimes frighten you? If so, this talk is for you. In 50 minutes, I will cover my favorite 5 essential ways to reduce the fear and help you master the skill of public speaking to improve your life and career. You will get tips on communicating with small and large groups, verbal and non-verbal body language, how to read the audience, ... Stop by and I will show you how it is done.</td>
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<td>11:00 AM - 11:45 AM</td>
<td>Michael Leinhos, Michael has been an educator since 1992, teaching at the College, High School and Middle School levels. Michael holds a Master of Arts in Education from Temple University in Philadelphia, PA. Some of his favorite subjects to teach include; Public Speaking, Writing, Critical Thinking, Business Communications, Sociology and American History.</td>
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### Class: Python Programming

**Featured Speaker:** Dr. Bhaskar  
NPU Faculty  

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| 11:00 AM - 11:45 AM | Python is a widely used general-purpose, high-level programming language. Its design philosophy emphasizes code readability, and its syntax allows programmers to express concepts in fewer lines of code than would be possible in languages such as C++ or Java. This lecture will cover an overview of Python programming, discussing about:  
  - data types  
  - input/output statements  
  - arithmetic expression evaluation  
  - selection statements  
  - iteration statements  
  - object oriented programming  
  - writing and accessing modules in Python |

### Class: Resumes that Start Your Dream Adventure

**Featured Speaker:** Dr. Mariam Ghazvini  
NPU Faculty  

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<td>11:00 AM - 11:45 AM</td>
<td>Please bring a smile and a soft copy of your resume (without your contact information) for group review and feedback from Dr. Mariam. You will gain immediate insight into the first impression your resume delivers to others. Then, you will tell us the ideal message you hope to deliver. From there, we will work together to give you recommendations for your resume so it can help you move towards your goal.</td>
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Class
Through, Though, Tough: Why is English Spelling So Illogical?

Featured Speaker
Jennie O’Connor
NPU Faculty

10:00 AM - 10:45 AM
11:00 AM - 11:45 AM

Course Description
English spelling is notoriously inconsistent in that certain written letters and letter combinations can represent a variety of sounds. In turn, the same sound can be represented by different letter combinations. Why is that? History gives us the answer. For some languages, spelling has been standardized to match pronunciation after the language changed over time. Why hasn’t English done that? Is there any hope for standardization in the future? This presentation will answer these burning questions.

Speaker
Jennie O’Connor, MA English, MEd TESOL, is NPU’s ESL Administrator. Jennie, who leads Northwestern Polytechnic University Intensive English Program, is a supportive, expert English as a Second Language teacher with over 14 years of experience. She helps her students feel comfortable and succeed in reading, writing, speaking, listening, and thinking in English. She specializes in English for Academic Purposes as well as TOEFL and Cambridge exam preparation, and she develops the courses for our outstanding Intensive English Program. Jennie directed the English Department at ISL Sprachschule in Germany, where she taught Business English; she taught high school English as a Second Language and English at Andrews Osborne Academy in Ohio; and she was an English as a Second Language and English instructor at Cuyahoga Community College and Lakeland Community College in Ohio.