

EXTENDED EDUCATION

Presented By:

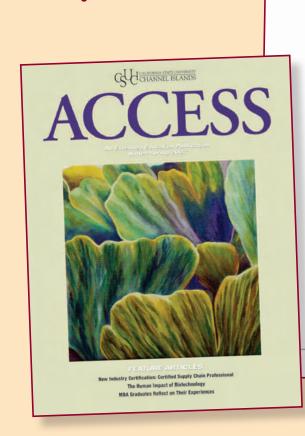
Gary Berg, Dean Mary Fleck, Assistant Dean

Overview

he Extended Education unit per our mission statement ex-Lends the mission of the University throughout the community by providing access to quality education especially for nontraditional students and local organizations. Unit was launched just prior to the opening of the University in 2002 with the Summer College program for children of migrant workers, contract for MSW, and initial non-degree certificate programs. Currently, Extended Education offers six degree programs, eleven certificate programs, custom education, individual degree credit courses, as well as non-credit and grant supported education and enrichment programs. Educational effectiveness is assessed through established academic assessment and evaluation procedures and on-going community and industry advisement which is formally provided through a Senate Committee and informally through contact with local business and public sector leaders.

As a complex administrative unit within the university serving a variety of stakeholders, Extended Education uses an assessment approach incorporating standards and tools from multiple national organizations including the Western Association of Schools and Colleges (WASC), the Council for Adult and Experiential Learning (CAEL), and the Council for the Advancement of Standards in Higher Education (CAS). These policies and procedures are designed to provide a process of continual improvement, as well as concrete evidence of educational effectiveness. In addition to assessing student learning, the plan is intended to evaluate the impact on the community, the responsiveness of educational programs, track the quality of student services and electronic delivery of courses, and provide regular

review of programs. Finally, an overall scorecard of effectiveness is used to summarize key effectiveness areas of Extended Education activity.





OM THE DESK OF THE DEAN

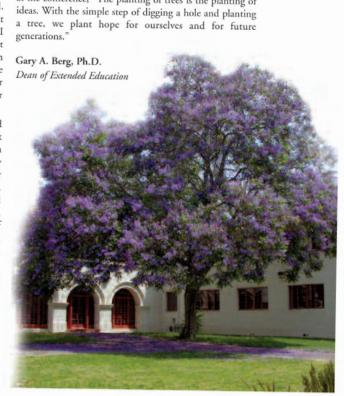
Graduating Students with International Perspectives

Our mission at CSU Channel Islands states that we aim Education we've been very conscious of providing to graduate students with international perspectives. We've international experiences for students. In addition to being d conversations internally as to exactly what this means. the first academic unit in the University to accept educators (NAFSA) conference in Montreal and gained MBA students on a travel study program to China in the some insight into the meaning of our mission. Unlike at Spring. Furthermore, through our Osher Lifelong Learning other academic conferences, certainly those for university

Institute we sent a group of members to Northern Italy last administrators, I was struck by the high-minded level of the year and have planned a trip to Russia next Spring. Nations for the education world. At a keynote session, the limited at the moment, I believe that it is an important Nobel Peace Prize Laureate Wangari Maathai spoke about statement of our collective values in regard to providing her work with the Green Belt Movement. Dr. Maathai is international perspectives for our students to make this the daughter of Kenyan farmers and a veterinary medicine attempt at the start of the university. Not unlike Dr. Maathai's professor who founded the movement which pays poor women in Kenya to plant trees, turning back the rapid global understanding in our students is bigger than the erosion of African forests while helping to alleviate the initial number of students involved. As she said in closing extreme poverty found there. Although hindered by a very unstable political atmosphere, her plan succeeded. Dr. Maathai is now a member of the Kenyan parliament and assistant minister of the environment. In her speech I beared probable to be a heard perhaps the best explanation of what we mean here at CSU Channel Islands by graduating students with Gary A. Berg, Ph.D. international perspectives when Maathai told the audience

Dean of Extended Education "We are living in very interesting times. Times that call for us to understand each other genuinely and work together How do universities encourage understanding and working across cultures? Here at CSUCI we've put

internationalization at the forefront by the creation of a Center for International Affairs, appointing a faculty member, Dr. Antonio Jiménez Jiménez, as the Director for this year, and hiring a new Associate Director, Marisa Thigpen, who will have primary operational responsibilities. At the urging of President Richard Rush, the University has decided to admit a limited number of international students through Extended Education graduate degrees in the fall of 2007. Understanding that not all CSU Channel Islands students can go abroad for a semester or a year, it is our feeling that bringing international students here is an additional way that our students can interact across cultures. In Extended



Programs

MS IN BIOTECHNOLOGY



- The MASTER OF SCIENCE IN BIOTECHNOLOGY AND BIOINFORMATICS degree seeks to provide the student with broad training and education in:
- Scientific principles and knowledge underlying advances in biotechnology Basic laboratory techniques in research and
- Legal and intellectual property issues Skills and attributes important in business and

rthermore multi-disciplinary learning approach encourages team-working and effective expression



The curriculum is designed for completion in two years and requires a team project in an academic or industry location. With the wide range of flexibility, students are able to create their program to fit their

Students admitted to the program can choose between a biotechnology or a bioinformatics track. The MS degree is offered by the Biology program in collaboration with the Computer Science, Business and Economics program

Backed by Alfred P. Sloan foundation funding, the

masters' program addresses the needs of students and industry through rigorous interdisciplinary training. careers in the Biotechnology/Bioinformatics sector. Research positions in laboratories

The program aims to prepare students for diverse

- Careers in regulation of drug approval and other biotechnology applications Management positions in the biotechnology
- Positions at companies that are investing in Working for law firms in the biotechnology area



CSU Channel Islands Master of Science in Biotechnology and Bioinformatics offers students a solid and cutting edge group of core courses that provide for exciting and rewarding careers in next-generation science and technology.

MGT 471 Project Management BINF 500 DNA and Protein Sequence Analysis BIOL 504 Molecular Cell Biology

BIOL 600 Team Project BIOL 601 Seminar Series in Biotechnology and Bioinformatics **ELECTIVES:**

MGT 421 Human Resource Management

BIOL 506 Molecular Evolution **BIOL 507** Pharmacogenomics and Pharmacoproteomics BIOL 508 Advanced Immunology **BIOL 509** Plant Biotechnology

MGT 471 Project Management

BINF 510 Database Systems for Bioinformatics BINF 513 Programming for Bioinformatics

BIOL 600 Team Project

BINF 512 Algorithms for Bioinformatics BINF 514 Statistical Methods in Computational Biology PHYS 445 Image Analysis and Pattern Recognition

MGT 421 Human Resource Management

BIOL 601 Seminar Series in Biotechnology and Bioinformatics



Applicants must have a bachelor's degree or higher from an accredited university with competence in a science field related to the chosen area of emphasis. (usually a 3.0 or higher in science courses). All applicants must also submit scores from the general GRE or MCAT

PRODUCTION AND INVENTORY MANAGEMENT CERTIFICATE (CPIM)



EARN A PRODUCTION AND INVENTORY MANAGEMENT CERTIFICATE AT CSUCI Co-sponsored by the Ventura County Chapter of APICS, these courses combine a practical, hands-on approach with core principles and practices used in the industry today. All courses are presented for a twofold benefit—to enhance your professional career goals and to assist you in preparing to take the national APICS CPIM (Certified in Production and Inventory Management) Certification Exam modules. Note that students must separately take and pass the five national examinations to earn the CPIM designation. All teaching materials, texts and handouts are APICS-published and meet the rigorous standards of this complex field.

 Individuals currently in manufacturing and industry desiring production/inventory control knowledge and job skills Individuals interested in passing national APICS test modules toward the CPIM designation • Professionals desiring new career goals in the

CERTIFICATE OBJECTIVES: Students will ... • Acquire current information on the latest resource · Obtain the knowledge needed for efficient

· Receive peer and industry recognition

Successfully complete the five required courses: · Basics of Supply Chain Management • Execution and Control of Operations • Detailed Scheduling and Planning • Master Planning of Resources • Strategic Management of Resources

HOW TO EARN YOUR CERTIFICATE:

BENEFITS TO COMPANIES: Employers will appreciate the skilled employees this program will certify. If you are currently working in production and inventory control, you will update and enhance the professional skills that increase your

MASTER PLANNING/SCHEDULING

This course covers the issues manufacturing

companies must address in meeting demand and

utilizing resources efficiently and effectively. It

shows where master planning/scheduling fits in the

manufacturing system and how it interfaces with

MRP, capacity planning, bill of material structures,

and production activity control. The course also

addresses the job functions of a master scheduler as

well as performance measurement devices used in

Professors: The instructors who teach in this program are APICS

certified practicing professionals from the community. They are

chosen for their personal commitment, academic background,

teaching ability, and professional expertise. We provide students

comments that would assist us in improving the quality of

with the opportunity to comment on our instructors, our program,

and our customer service at the end of each class. We welcome any

the master planning/scheduling function.

BUS X 806



BUS X 801 This course provides basic definitions and concepts for planning and controlling the flow of materials into, through and out of an organization.

It explains fundamental relationships among the activities that occur in the supply chain from suppliers to customers. It also addresses types of manufacturing systems: forecasting, master planning, material requirements planning, capacity management, production activity control, purchasing, inventory management, distribution, quality management and just-in-time manufacturing. Note: This course provides a foundation of knowledge for entering any of the courses in the program and is recommended for

DETAILED PLANNING AND SCHEDULING BUS X 803 This course focuses on material and capacity scheduling and planning. It includes a detailed

students who are new to the field of Production

and Inventory Control.

explanation of material requirements planning (MRP), a technique suitable for use in job shops.

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capacity requirements planning in detail and introduces other capacity planning techniques, including processor dominated scheduling. **EXECUTION AND CONTROL OF OPERATIONS**

dominated scheduling (which is applicable to

process industries and other mature production

environments), is introduced. The course explains

This course focuses on three main areas:

prioritizing and sequencing work; executing work plans, implementing controls, and reporting activity results; and evaluating and providing feedback on performance. The course explains techniques for scheduling and controlling production and process operations. It also addresses the execution of quality initiatives and continuous improvement plans as well as and the control and handling of inventories. Techniques for evaluating performance and collecting data for effective feedback are presented.

Measuring the business planning processes



COURSE OFFERINGS

PROGRAM OVERVIEW



STRATEGIC MANAGEMENT OF RESOURCES BUS X 806 In this course, students explore the relationship of existing and emerging processes and technologies

support the strategic plan; and implementing

to manufacturing strategy and supply chain related functions. The course addresses three main topics: aligning resources with the strategic plan; configuring and integrating operating processes to

MASTER PLANNING OF RESOURCES BUS X 802

You will explore processes used to develop sales and operations plans, identify and assess Internal and external demand and forecasting requirements, and effect an achievable master schedule consistent with business policies, objectives and resource constraints.

• Developing and validating a plan of supply · Identifying, quantifying and assessing demand

· Developing and validating the master schedule

TEXTBOOKS/COURSE MATERIALS The course materials used in the program are published by APICS national and are specifically designed to support the courses and to prepare students for the CPIM exam. Materials are sold at the first class session of each course. Costs range from \$55 per course.

instruction in our program.

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