

CFT NEWS

Newsletter of the Division of Engineering Technologies and Computer Sciences at Essex County College

MESA Center Moves to New Location



The original MESA Center, housed in Room T233 in the CFT, was bursting at the seams due to its success. So, in January 2006, the Center moved across the hall to Room T206 which has much more space. Room T206 contains 1,200 square feet including a prep room compared to Room T233's 430 square feet. The new MESA Center has provision for 14 computer stations, eight more than the old Center. Also, the new Center has more study space as well as room for a lounge which will be outfitted soon.



MESA students at a recent visit to NJIT

Professional Engineers at New Jersey Institute of Technology. The students reported on their experiences to the Dean of Student Life and Affairs, Dean Susan Mulligan.

Four students will be attending the National Society of Black Engineer's international conference along with Prof. Sandi at the end of March in Pittsburgh.

Recruitment for the MESA Center for Spring 2006 is over 50 students and still ongoing. The Technology Club, sponsored by MESA, has also been very active over the last two semesters. From November 29th to December 1st, members of the Technology club set up tables in the Red and Blue areas to assist students with their registration concerns.

Ten students attended the National Technical Career Conference from January 3rd to the 8th in Orlando, Florida, along with the student chapter Society of Hispanic

Inside this issue:

News Brief	2
Energy Utility Technology Program Expanding	3
Schedule Change For Land Surveying Majors	3
CET Student Transfers to Old Dominion	3
Architecture To Occupy Two Studios	4
ECC Graduate Earns Masters Degree	4



Prof. Mustapha Sandi helps a student in the new MESA Center



CENTER FOR TECHNOLOGY

ESSEX COUNTY COLLEGE

303 University Avenue
Newark, NJ 07102

CFT NEWS

Editor : Prof. Veronica Zhang

Production: Prof. Veronica Zhang

Committee: Prof. Jianping Yue
Prof. Ned Wilson
Prof. Mark Galit
Prof. Judy Glina
Prof. Veronica Zhang

Division Chairman:
Prof. John Gribbin

Engineering Technologies & Computer Sciences Division:

Faculty

Prof. Theo Acquaye - Mechanical Engineering
Prof. Hossein Assadipour - Engineering
Prof. Mark Galit - Computer Science
Prof. John Gribbin - Civil Construction
Prof. Mustapha Sandi - Civil Construction
Prof. Judy Glina - Architecture
Prof. Karen Scourzo - Computer Science
Prof. Alvin Williams - Computer Science
Prof. Ned Wilson - Computer Science
Prof. Jianping Yue - Mechanical Engineering
Prof. Veronica Zhang - Computer Science

Staff

Ms. Kelly Coley - Office Manager
Ms. Staci Outerbridge - Lab Coordinator
CFT Phone 973-877-4400

Essex County College
www.essex.edu

News Brief

Institute for Applied Technology Offers Seminars

In Fall 2005, two seminars were run in the CFT by the Institute for Applied Technology. Both seminars were titled AutoCAD for Architecture but one was presented in Spanish and the other in English. In October, the Spanish version was presented by Manuel Arevalo Burgos and in November, the English version was presented by Daniel Rodriguez. Both presenters are architects. The courses were intended for practicing architects who wish to learn AutoCAD as beginners. Each seminar ran for four Saturdays and covered a total of 24 hours of instruction.



The AutoCAD seminars mark a re-institution of the Institute for Applied Technology in the CFT. Originally launched in 1997, the Institute offers seminars to members of industry to provide an opportunity for technical advancement on a professional level. Administered through the Office of Community and Continuing Education, the Institute recruits professionals who are leading experts in their respective fields to run seminars on a variety of topics including civil engineering, surveying, architecture and other technical fields.

In April 2006, the Institute will present Intermediate AutoCAD for Architecture.

Change To ELC Program

Electronic Engineering Technology students will find it a little easier to complete their degree and graduate now that one

course has been eliminated from the program. MTH 213 Unified Calculus II is no longer a required course for the ELC associate degree. The College has approved the elimination of MTH 213 from the program with no other courses taking its place. Total credits now needed for the degree is 66-67 credits. The change is retroactive so students who are near the end of their program and have not yet taken MTH 213 can graduate without it. New Jersey Institute of Technology (NJIT) has endorsed the change so there will be no effect on students wishing to transfer there.

Seminar Series

On 10/18/05, a seminar was presented in the CFT room 122. This seminar, presented by Ms. Lina Hollman, from Public Service Electric & Gas and titled "Technology Developments in Energy Utility" explored technology developments in the energy utility field, as well as gave an introduction to the joint degree program with ECC. The seminar was arranged by Prof. Veronica Zhang.



Energy Utility Technology Program Expanding

In Fall 2005, a cohort of 14 students started the Energy Utility Technology program at ECC. This is an increase over the previous year, partially because some of the students are among the high school students who took the first major course, UTI 101, in high school. Also, five employees of PSE&G have submitted transcripts of their training courses at PSE&G to be credited toward the program. These students will be able to take advantage of the training they have already received to complete the degree at ECC.

The past year has also brought curriculum expansion to the program. A new elective course, UTI 110 Intro. to Power Plant Operation & Maintenance, was approved by the college and added to the associate degree program. This will allow students

for the first time to get involved with the power generation side of PSE&G in addition to the power transmission side.

For graduates who want to go on to a bachelor's degree, Thomas Edison College in Trenton has just initiated a bachelor's degree in Energy Utility Technology. The courses in the ECC associate degree are fully transferable to Thomas Edison College.

Another expansion of the Energy Utility Technology program is the addition of Middlesex County College to the program. Students from Middlesex will join those from ECC and Mercer County College to take courses at the PSE&G Training Center in Edison. Soon, Passaic County College will become part of the program as well.

Schedule Change For Land Surveying Majors

Students who are majoring in the Land Surveying Option of the CET program should note that the course CET 214 Evidence and Procedure for Boundary Location is now being offered at NJIT. The NJIT course is called SET 207 Evidence and Procedure for Property Survey but despite the slightly different name is equivalent to the ECC course.

SET 207 will be offered at NJIT in Summer 2006. Classes will be held on Tuesdays and Thursdays from 6 pm to 9 pm and will run from May 22, 2006 to July 13, 2006. Details can be found on line at www.njit.edu. Due to the NJIT offering, the ECC course, which would normally be offered in summer 2006, will not be offered this year. Students wishing to take CET 214, should cross-register for SET 207. Prerequisites are the same as for CET 214. Any questions should be directed to Prof. Mustapha Sandi or Prof. John Gribbin.

CET Student Transfers To Old Dominion

Andy Alleyne graduated with highest honors in June 2004 with an associate degree in Civil Construction Engineering Technology. Instead of beating a path to NJIT as most of our graduates do, Mr. Alleyne transferred to Old Dominion University in Norfolk, Virginia where he is currently majoring in Civil Engineering Technology with a concentration in Structural Design. He attends the Honor College there and receives a scholarship of \$8,000 per year.

Mr. Alleyne is nearly finished with his undergraduate degree and plans to pursue a masters degree at Old Dominion. He wants to find employment in civil engineering in Virginia, probably in the area of land development. He is scheduled to take his Engineer In Training (EIT) exam in April 2006.

Mr. Alleyne came here from Trinidad & Tobago in 2002. His future plans include returning there eventually and pursuing engineering either in industry or as a university professor. We wish Andy much success on his test and in his career ahead.



Andy Alleyne

Architecture To Occupy Two Studios

The Architecture program at ECC is undergoing significant changes not only in curriculum but in room usage as well. A second design studio will be opened in Fall 2006 in Room T204 in the CFT. This will provide much needed space for both first year and second year architecture students to work on their projects.

The current studio, Room T205, will be occupied by first year students while second year students will utilize the new studio. Architecture coordinator, Prof. Judy Glina, said that together with changes to the four design courses, this increase in space will greatly improve the transferability of the program to upper level architecture programs such as the one at NJIT.

Engineering Graphics classes, which currently utilize Room T204, will move to Room T122 in Fall 2006.

ECC Graduate Earns Masters Degree



Yessica Peña

Yessica Peña graduated in June 2001 with an associate degree in Engineering. She then went on to New Jersey Institute of Technology (NJIT) to earn her bachelor's degree and eventually her master's degree in Construction Management and Structural Engineering.

Ms. Peña, a native of Lima, Peru, came to the United States with her family in 1993. At ECC, she excelled as a student and was inducted into Phi Theta Kappa and won a Construction Roundtable scholarship of \$2,500 twice.

Currently, Ms. Peña is employed by the firm Schoor DePalma Engineers & Consultants in Parsippany, New Jersey where she works on municipal engineering. Her projects include roadway improvements for many towns in Hudson, Essex and Bergen Counties. She also helps review land development plans for the planning boards in those towns.

Ms. Peña is interested in teaching mathematics or engineering on the college level as an adjunct instructor, perhaps at Essex

County College. We think our school would be enhanced by the addition of Ms. Peña to our adjunct faculty.

Create Web Page Seminar

Presenter:
Jonathan Weissman

Have you ever wished you could make your own website, add an article or change some text on your website without calling a web designer?

If so, please come to our seminar.

The seminar will be presented by Prof. Jonathan Weissman.

Tuesday, March 28, 2006
2:30-4:00pm

Center For Technology
Lower Atrium
Essex County College

Contact Prof. Zhang 973-877-3183



Presents the Sixth Annual

CAD Contest

Make a drawing using CAD and win a prize!

Open to all ECC students

Pick up an entry form and rules in the Center for Technology.

For information, contact:

Prof. Yue 973-877-4405
Prof. Acquaye 973-877-3406
Prof. Assadipour 973-877-1891

