

## Advanced Technology and Applied Science “Good Stuff” for February, 2010

### Interior Design Arlene Thomas reports:

- On March 1, the Design Club welcomed new members with a luncheon and a guest speaker, Paul Self, Director of Marketing for AudioVisions in Lake Forest, to talk about “Designing for Technology”. His presentation was focused on understanding space planning considerations, concealment options, fabric evaluation methodologies, human factor issues to aid in planning for the latest technology trends. Their expertise covers audio/visual specification, lighting control, shade control, climate control, resource management and surveillance cameras. Paul’s visuals showed new concepts and technological possibilities for designing various types of spaces. The presentation ended with an invitation for our students to visit his showroom for hands-on demonstrations.



#### AUDIOVISIONS

- Our Interior Design students will also be attending a presentation, “Your Design Career: Color It Green”, at the Energy Resource Center in Downey on March 5. This is open to Interior Design and Fashion students in the southern California area. This year, four guest speakers will spotlight green careers with emphasis on products and issues related to interiors and fashion. Throughout the years, our students have been treated to various free seminars at this sustainable Gas Company facility.



#### ENERGY RESOURCE CENTER

- Laguna Design Center, in Laguna Niguel, will host a day-long event on March 23. Our Interior Design students and faculty members will be attending this yearly Spring Market once again. The event will be comprised of keynote speakers, visits to design showrooms and presentations of new design products and furnishings.



#### LAGUNA DESIGN CENTER

- A new lighting lab in BGS 132 will be installed over the spring break to demonstrate the many types of lighting and its effect on decore.

### Rapid Digital Manufacturing and RapidTech Ben Dolan reports:

- Continued to work with and educate a small company on mold making for their product relating to stroke victims.
- Experimented with molding feathers to help with an art project working with a UCI professor
- Met several times regarding collaboration between Rapidtech, UCI, ATEP, and Saddleback College
- Worked on a project for a hygienic sink organizer for a local company
- Designed and created masters for carbon fiber molds for a local aerospace company after performing flow analysis on several variations
- Worked on building custom rubber parts for a medical company in Newport Beach
- Prototyped parts for a local RC rock crawling team

- Created custom ergonomic hand padding for a project between Chapman University and UCI to aid in the recovery of stroke victims
- Prototyped a humane power line deterrent for squirrels
- Met with our National Visiting Committee from the National Science Foundation

### **Environmental Studies Morgan Barrows reports:**

- On going restoration activities in the Outdoor Garden with the assistance of the students from the ENV 1 and 18 classes. So many of the native plants have flourished this winter with the rain and many of them have begun to flower in all of their glory. Also, due to prior efforts invasive weed removal, this year there is a significant amount of small understory plants growing that have not been seen in years. More improvements to the area are on their way later this spring.
- The department participated in the High School Counselors Presentation describing the Environmental Studies, Ecological Restoration, and Sustainability Skills programs.
- A \$1000 worth of donations (with a 50% match) were made to the Morgan Tree Environmental Education Scholarship.

### **Ecological Restoration:**

- The Advanced Ecological Restoration Class (ECOL 202) under the direction of Instructor Douglas Kent visited The Irvine Ranch Conservancy in late January. The students participated in a morning program removing invasive plants in the Aqua Chinon watershed.
- The 16 students led by the Irvine Ranch Conservancy staff worked tirelessly in the watershed using a variety of tools to remove these plants by the roots minimizing the need for herbicide. Care was taken not to damage the California natives in the vicinity, including mulefat, California sagebrush and wild cucumber. This is an example of passive restoration, removal of exotics, as compared to active restoration which also involves planting natives.



Students getting directions for their activities

### **Foods and Nutrition Suzanne Hewett reports:**

- The Foods & Nutrition Dept. is proud to display the products of the FN 245 class, led by Chef Guenter Rehm, the pastries produced by this class easily meet industry standards. Chef Rehm is in his second semester teaching at Saddleback College. He has many years experience as a pastry chef with his own bakery.



- Haley Nguyen, part-time chef instructor for the Foods & Nutrition Dept. and owner of Xahn Bistro was featured for the second time--in the OC Register. Her restaurant was praised as a five star operation in No. Orange County.
- Suzanne Hewitt, dept. chairperson, led her students in FN 120 on an off-campus field trip to the specialty markets in Ladera Ranch. Students evaluated offerings and consumer needs.

**Lisa Inlow reports:**

- FN 242 Garde Manger & FN 142 Classical Cuisine classes had a blast exploring the Sysco Trade Show. Students were wowed by a sushi demonstration where the chef butchered a 100 pound tuna. Various seminars were held all day giving students the opportunity to learn about the new trans fat laws, new trends in marketing techniques and more!

**Horticulture and Landscape Design Robert Farnsworth reports:**

- The Department of Horticulture and Landscape Design is pleased to have received a continued annual installment of \$3,965 of the generous gift from William Lycette. If we are able to harvest rain here, as mentioned in the last Good News, it is made possible by Mr. Lycette's kind support.
- Our department is pleased to assist the Department of Child Development in the construction and planting of the new children's play yards. The red and blue plastic toy sets

are being removed entirely and will be replaced by boulders, bridges, mud pits, and plenty of plants. This will be an excellent "hands on" learning opportunity for our students. The demolition phase is imminent.

- Student gardening activity is picking up as we get closer to spring...lots of enthusiastic students this semester, and lots of rain and sun. Among other things that we have been working on in lab, be sure to check out the rejuvenated Iris beds at the greenhouse gardens.
- The semi-annual **plant sale** will be in April at the greenhouse.
- Student learning objectives are being met as we head towards spring break. I am proud of our department faculty.

#### **Architecture and Drafting Susan Zimmer reports:**

- One of the outstanding students in the Drafting Technology Program, Elena Nierode, is starting her second month in a drafting position at San Onofre Nuclear Generating Station (SONGS) on the coast just south of San Clemente. Elena will be completing her Drafting Technology Certificate in December but is already reaping the benefits of the design, Solidworks and AutoCAD drafting skills learned at Saddleback College.
- We have one other Advanced Technology and Applied Science student completing her Drafting Technology Certificate and A.S. Degree this semester. Emily Ramirez is graduating in May.

#### **Automotive Technology Cliff Meyer reports:**

##### **Donations**

- Mercedes Benz of Laguna Niguel has donated a Smart Car Tridion cell. This cell displays all of the high technology safety equipment and structure used in the Smart Car design. This will be one of our new marketing tools used for department functions and school events.

##### **General**

- The auto tech department engine test cell is now operational. The DTS engine dynamometer has now completed its first round of testing. The cell has been tested and calibrated. We have made contact with two major engine builders in the Orange County area. Arrangements are being made to provide engine testing and research. This will provide funding for the auto tech foundation.

##### **Presentations, Outreach and Tours**

- During the month of February Nicole Johnson attended the Counselor's day program. This was a success as many high school counselors were interested in the Saddleback College auto tech program. Our department brochures, book marks and post cards were distributed.
- On February 17<sup>th</sup> San Clemente High School Automotive Partnership Academy toured the automotive department with Nicole Johnson. At least 15 students said they will be transferring to Saddleback in the fall 2010 semester. We are excited to make a connection with these future students.

#### **Graphic Design and Graphic Communication Karen Taylor reports:**

- Student Juan Morales moved from his internship to full-time employee at Troy Lee Designs. He wrote me "I got hired!! I am now working full time in the apparel division at Troy Lee Designs as a designer/assistant/photographer. Thank you! I have to say though; you taught me things that have helped greatly along the way. I learned and retained everything you've taught me and I appreciate having the opportunity to learn from you." Juan did the design,

layout, production, and photography for the latest Troy Lee catalog. He is even working on shirt designs for next season.

- Saddleback graphic design students worked for the second year on the design for the Mission Hospital Foundation's Valiant Women fundraiser luncheon, raising money for the women's health program at the hospital. We designed the invitations, programs, reply cards and various marketing pieces for the event. We worked again with Sarah Martini, the annual giving manager for the hospital, who told us "Thank you again for helping with this project. The design is GORGEOUS and we have gotten so many compliments on the quality of work your department produces!"

### **Fashion Design and Fashion Merchandising Malia Hill reports:**

- Students in FASH 132 Draping completed their "Fantasy" projects made from recycled and reused items. You can see their designs in the Annual Fashion Show May 14th.
- Students from Draping are also working on a project "Designing for a Cause" where they choose a cause that interests them and design a garment that benefits and/or raises awareness of that particular cause.



### **Guest Speakers:**

- Terra Mack from St. John Knits guest spoke on March 3rd to 35 fashion students at Saddleback College. She works with designers and merchandisers and explained what it's like to work in this high-end apparel company. She pushed students to complete internships to help them land jobs in the industry.

### **Faculty News:**

- Fashion Instructor Kyla Benson gave birth to her first child Summer Benson Feb. 2nd.



### **Student News:**

- Students stay in touch with what is happening in the industry and in the fashion department at school through the blog: <http://saddlebackcollegefashion.blogspot.com/>