



**OCC Career**  
ADVANTAGE

ORANGE COAST COLLEGE  
Division of Career Education  
2019-2020

**CTE Program Advisory Committee Meeting**  
**Horticulture**  
Friday, November 15th, 2019  
Horticulture Gardens  
11:30 – 1:00 PM

**Facilitators:** Rick Harlow & Lori Pullman

<u>COMMITTEE MEMBERS</u>	<u>EX-OFFICIO</u>
<ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Mona Lisa Borad</b>, Manager, Site One</li> <li><input type="checkbox"/> <b>Ron Vanderhoff</b>, General Manager Rogers Gardens</li> <li><input type="checkbox"/> <b>Debbie Cook</b>, Board President, Post Carbon Institute</li> <li><input type="checkbox"/> <b>Dave Garza</b>, Horticulture Operations Manager, Disneyland</li> <li><input type="checkbox"/> <b>Dr. John Kabashima</b>, Environmental Horticulture Advisor, Emeritus</li> <li><input type="checkbox"/> <b>Andy Trotter</b>, Vice President, West Coast Arborists</li> <li><input type="checkbox"/> <b>Timothy Crothers</b>, Plant Health Care Manager, West Coast Arborists</li> <li><input type="checkbox"/> <b>Benjamin Kent</b>, Owner, Diamond Arborist Service</li> <li><input type="checkbox"/> <b>Tom Ash</b>, Water Expert/Consultant, Inland Empire Utilities Agency</li> <li><input type="checkbox"/> <b>Korina Petrozzi</b>, Co-Owner, The Plant Nerd</li> <li><input type="checkbox"/> <b>Cheri Rocco</b>, Owner, Tierra Prima</li> <li><input type="checkbox"/> <b>Dan Sereno</b>, Landscape Manager (Ret.), City of Newport Beach</li> <li><input type="checkbox"/> <b>Tom Spellman</b>, SW Sales Mgr. Dave Wilson Nursery</li> <li><input type="checkbox"/> <b>Roland Zamora</b>, Owner/President, Veterans Landscape Inc./Education CLCA</li> <li><input type="checkbox"/> <b>John Parker</b>, Ret. Instructor, Landscape Architect</li> <li><input type="checkbox"/> <b>Amber Dohopolski</b>, Student Rep. Horticulture</li> <li><input type="checkbox"/> <b>Cody Henderson</b>, Student Rep., Horticulture</li> </ul>	<p><b>Tara Giblin</b>, Dean, Math and Sciences Division</p> <p><b>Rick Harlow</b>, Faculty, OCC</p> <p><b>Lori Pullman</b>, Faculty, OCC</p> <p><b>Joe Stead</b>, Part-time Faculty, Instructional Coordinator</p> <p><b>Deb Ringle</b>, Part-time Faculty, Horticulture</p> <p><b>Lisa Knuppel</b>, Dean CTE &amp; Career Services</p> <p><b>Karen Cifuentes</b>, Division Area Office Coordinator, CTE &amp; Career Services</p> <p>OCC</p> <p><b>Rose Anne Kings</b>, Faculty Architecture</p> <p><b>Dean Abernathy</b>, Faculty Architecture</p>

AGENDA

- I. **Welcome & Introductions**
  - Sign-in and confirmation of title/role and email/contact information
  
- II. **Review of Last Advisory Committee Recommendations**  
 Last Meeting Date: May 3<sup>rd</sup>, 2019  
 Summary of Recommendation from last meeting
  - Facilities / Equipment – A formal motion was passed unanimously by the entire committee to pursue all avenues to procure a Design Studio space for Lori Pullman’s many design classes including design stations with drafting tables and computers for 20 students.
  - Tom Ash reaffirmed the need to continue the development of sustainability centered curriculum and facilities to include urban farming and food solutions, interior growing technologies, and water conservation applications. Improving the department facilities as a continuing working laboratory and potential future public education space.
  - Other
    - *Another Great Science Night Driven by Students and alumni for the 13 years in a row!*
  
- III. **Review and Ratification of Program Level Outcomes (PLOs)**
  - Use knowledge of various plant materials to better design and maintain an outdoor garden or landscape.
  - Describe man’s relationship with plants for food and environmental enhancement.

- Describe current sustainability issues in Southern California and how good horticultural practices will improve long term sustainability.
- Use knowledge of a chosen plant, greenhouse systems and propagation practices to successfully produce a healthy crop by a target date.
- Use knowledge of site conditions, drafting skills, client needs, and various plant and building materials to solve a design problem.

#### IV. Current Program Status and Updates

- Enrollment Trends
  - 15 classes in the Spring 2019 and they were all full.
  - 14 classes were offered in Fall 2019 and they were all full
  - Students served in 2016 - 280
  - Students served in 2019 – 373 = **33% growth in 3 years!**
  - Good response to the classes and they're having steady growth.
    - Classes are now offered on Fridays with surprisingly good attendance opening a classroom during Monday through Thursday for other instructors.
  - Students are continuously interested in planting trees on campus and are planning another tree planting event on the last day of the semester. Saturday Dec 14th
- Facilities/Equipment Upgrades:
 

**New Propagation Greenhouse:** Construction started in Late August; Hoping for completion in December – Joe Stead

New updated Swamp coolers (metal) purchased and installed GH , 1, and 4

Baja Garden near completion next to Chemistry building  
Outside donation to move trees on campus was made  
New cover on Greenhouse 7
- Current Facility Needs:
  - **Our big need for a dedicated Design Studio continues. currently Lori Pullman has a mobile situation where she loads up her stuff in a cart.– still pending**
  - Need to finish Urban Fruit tree Lab in the Arboretum with bridge, paver patio and pergola
  - Greenhouse 5, 6, and 7 need repairs to end and side walls
  - Greenhouse 2 fire damage repairs to bring the house back online. Glazing and new swamp cooler damaged from fire
- Future long-term trends:
  - We have a continued alignment used our Department within the Math and Science Division to align our common goals with Marine Science and Environmental Science (MESH)
  - A focus on working with Pirate's Cove Food Pantry and Culinary Arts.
  - Addressing sustainability issues relating to urban agriculture, high density indoor growing technologies such as vertical hydroponics, aquaponics, tissue culture, as well as biofuel technologies. **The Bio Dome**
  - Need for more building space to add Tissue Culture Lab, and Vertical Growing Room
- **Staffing** – A continued concern exists to position the growing Department for success with more skilled long-term support staffing needed. Full Time Lab assistant position lost in 2009 has remained unfilled for 10 years and is technically gone.
- "Part -time" staffing positions (2) have ended.

- Current temporary positions 130 day (2) will end when the hourly allotment for them is used up (projected mid to end of Spring 2020).
- 1 new permanent position has been approved at 19 hours per week and interviews for that position will begin shortly
- Another permanent position is being pursued
- The college has begun supporting some of the maintenance (weed abatement, tall hedge pruning etc.) from an outside vendor 2 hours per week two-man crew. This is helpful for the some of the labor heavy- tasks, but requires constant oversight/supervision by our current staff at 6 AM every Friday
- Curriculum –

**We have 7 certificates:**

1. Horticulture (Certificate of Achievement)
2. *Retrofitting Southern California Urban Gardens*
3. *Landscape Design Basic*
4. *Landscape Design Intermediate*
5. *Landscape Design Advanced*
6. *Landscape Site Design Elements*
7. *The Professional Practice of a Landscape Design and Construction Business*

- We would like to take these Certificates of specialization to the state so they can appear on the Student's transcripts. This process requires validation from Advisory Committee members (Form provided to fill out and submit)
- New certificate in Arboriculture and Urban Forestry is proposed to the Committee including several existing classes offered and citing an approved CTE state guideline for this subject.
- A new class (2) Unit HORT A290 Urban Forestry to round out the curriculum for the certificate and prepare the students to for the ISA Certified Arborist exam
- Student Outcomes: Licensure/Certification Pass Rates (1 this year for licensure; several for certification. This number will be measured again in Spring 2020)
- **Review of Perkins Program Core Indicators**
- The report was reviewed, and the program complies.

**V. Work-Based Learning Opportunities**

- The Farm Bureau delegation toured the Horticulture Department in the Summer and were impressed with the department and it's living laboratory. (Special interest in the urban fruit tree laboratory was noted) An itemized list of facility and department needs was relayed to the group. A \$25,000.00 donation was made for student internships with a potential reoccurring commitment from the organization.
- CTE and career services has a job board that has internships listings.
- If any of the committee members have any internship opportunities, please share your information with the career services office.

**VI. Industry Update & Employment Trends**

- Emerging technologies and industry practices: things that need to continue to be addressed are sustainability and how the program respond to this in their class offerings. For example, changing the way we think about growing things in our own backyards successfully.
- Horticulture computer design class is now offering AutoCAD and SketchUp – very successful split of a semester.

**VII. New Committee Recommendations**

- Suggestions for technology possibilities in the classroom – Perkins Grant opportunities
- Approval of new class HORT A290
- Approval of new Certificate
- Reaffirmation of current certificates for state approval for Student transcripts

**VIII. Closing Remarks**

- Next Meeting: Friday November 13<sup>th</sup> 11:30AM - 1:00 PM