Creating tomorrow’s ocean science leaders

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LEADERSHIP DEVELOPMENT AND EDUCATION

Monterey Area Research Institutions' Network for Education

Creating Tomorrow’s Ocean Leaders
How?
“My goal is to conduct research to aid conservation efforts in public policy.”

“…ultimate goal of marine ecosystem conservation.”

“I aspire to obtain a PhD…instructing and motivating young adults to make a difference in the world.”

“I want to be able to conduct research for the conservation efforts.”

“I know given the opportunity,…I would be able to grow as a future leader in these fields of study”
What?
What do you mean by a leader?
A leader works with others to facilitate positive change
Emotionally intelligent leaders
Emotionally intelligent leaders

- Consciousness of self
- Consciousness of others
- Consciousness of context
Leadership requires training
Research experience alone does not make a leader.
Takes a community of support to develop leadership
• Independent research
• Mentorship
• Cohort model
• Professional dev’t workshops
• Pre and post-REU support
• Supports students to do research
• Mentorship
• Cohort model
• Professional dev’t
• Preparation for graduate school
Sophomore / Junior Year


Summer Research

Junior / Senior Year


Summer Research
GOALS
Organize graduate school applications
Build, manage & activate social capital
Strive to communicate more effectively
... in our writing
  Employ strategies for drafting, improving creativity, developing voice
  Further develop Statement of Purpose
  Think about audience
  Show vs. tell
  Develop ePortfolio
... with our mentors
... and remember: be a turkey not a turtle!
Balance responsibilities & organize time effectively
  Implement new habits (rhetorical situations & practical scenarios)
  Employ strategies for self-care and time management
  Build accountability and support for each other
  Replace one bad habit with a positive/healthy habit this semester
Broaden research opportunities & interests
  Align the two to find “the right fit”
Don’t forget the fun & Hawaiian shirt Friday!

EXPECTATIONS
Writing
  Give thoughtful feedback on papers
  Optional: share your papers with each other to build community & get more feedback
  Keep up with readings
  Read each others’ posts on the forums
  Inspire discussion through responses to blogs and forums
Building community
  Golden Rule: treat others as you would want to be treated
  “What happens in UROC, stays in UROC!” Create a safe place for people to share about themselves, voice their concerns, and confront their insecurities
  Share common experiences and remember that we’re all human and not robots
  Give constructive feedback on posters and presentations
  Speak-up and participate in class; give everyone a chance to talk
  Plan fun events for ourselves outside of class
Technology
  Give the speaker your full attention; no staring at a computer screen
  Use computers only for RSCH 301 purposes
  No cell phones in class (except when needed instead of laptop; step outside in case of emergency)
2nd year
400 applicants for 11 spots
Ocean engineering, distributed model unique

Since 2009
265 students placed in research
72 UROC’ers in grad school
Tomorrow’s ocean science leaders need complimentary training in research and leadership.
How to meet the growing demand for research and leadership training?
Thank you

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