

# **YOU'RE THE REASON THE ENVIRONMENTAL TECHNOLOGY (ET) PROGRAM AT SOUTHWESTERN COLLEGE EXISTS**

- **We are initiating a new partnership with you – the environmental practitioners**
- **The role of the ET program is to serve you by educating and training students and your personnel**
- **The role of the ET program is to serve the community by providing these skills and knowledge for meaningful employment**
- **The role of the ET program is to provide a forum for environmental thought and action**

## **GOALS OF THE ET PROGRAM**

- **Expand the program**
- **Hire diverse instructors**
- **Articulate with the high schools**
- **Articulate with the 4-year universities**
- **Develop new environmental projects and programs**
- **Become a valuable environmental resource for our bioregion**

## **EXPANDING THE ET PROGRAM**

- **Goal: Expand the ET program**
- **Method: Divide the ET program into 3 emphasis**
  - » **Environmental Management**
  - » **Occupational Health and Safety**
  - » **Environmental Science**
- **Status: Program in front of dean for review and comment**

## **ENVIRONMENTAL MANAGEMENT EMPHASIS**

- **Environmental management is the current emphasis of the program**
- **No new courses necessary to create this emphasis**

# **PROPOSING A NEW OCCUPATIONAL HEALTH AND SAFETY EMPHASIS**

- **Occupational Safety (2 new courses)**
- **Industrial Hygiene (3 new courses)**
- **Toxicology (1 course, existing)**
- **Intro. to ET (1 course, existing)**

# **PROPOSING A NEW ENVIRONMENTAL SCIENCE EMPHASIS**

- **A multi-disciplinary emphasis**
  - » **Environmental Technology**
  - » **Environmental Chemistry**
  - » **Environmental Biology**
- **Students can enter the emphasis from the above three existing programs**
- **The dean of Chemistry and Biology has rejected the idea**
- **Will propose again with a full compliment of chemistry and biology instructors**

# **PROPOSING A NEW COOPERATIVE WORK EXPERIENCE (INTERNSHIP) COURSE**

- **A mandatory 2 to 4 credit course**
- **For all emphases**

## **PROPOSING TO CUT THE 4-UNIT SAFETY & EMERG. RESPONSE (40-HOUR/HAZWOPER) COURSE INTO A 2-UNIT COURSE**

- **The 4-unit course will remain**
- **New 2-unit course will serve the following populations**
  - » **High school girls-at-risk**
  - » **Current employees who need training**
  - » **Prospective employees that need the training to work in the field**
- **Will seek U.S. EPA certification for the course**



# **NEW 40-HOUR COURSE AT SWEETWATER HIGH SCHOOL**

- **New 40-hour course for girls at risk**
- **Invited back a second time**
- **Propose to make course a college course**

## **NEW COURSES BEING EXPLORED**

- **Pollution Prevention**
- **Solid waste management**
- **NOTE: Articulation agreements with 4-year universities have to be renegotiated after new courses introduced**
- **What topics should be taught in the future?**

# **HIRING DIVERSE INSTRUCTORS**

- **New Chicana Toxicologist on staff**
- **Discussing working with a Chicano emergency response specialist**

# **ARTICULATING WITH HIGH SCHOOLS**

- **Performed outreach to graduating seniors with SWC counselors last spring – was able to attract 1 student**
- **Formulating a 2 + 2 program for first and second semester seniors**
  - » **will need support from high school teachers, counselors, and administrators**
  - » **success partially depends on articulation with 4-year universities**
  - » **Will need transportation to SWC**

# **ARTICULATING WITH UNIVERSITIES**

- **Articulated with CSU Bakersfield for a BA degree in Environmental Resource Management on the Internet**
- **Articulating with United States International University for a BA in Environmental Studies**
  - » **Program coordinator approved articulation**
  - » **Articulation officer has to approve articulation**

## **TRYING TO ARTICULATE WITH UNIVERSITIES IN MEXICO**

- **Proposing to work with 2- and 4-year colleges in Northern Baja Mexico**
- **Need to articulate the ET program with UCSD and San Diego State University. The program needs YOUR support on this!**

# **DEVELOP NEW ENVIRONMENTAL PROJECTS AND PROGRAMS**

- **Obtained second Regional Environmental Business Resource and Assistance Center (REBRAC) grant with Cuyamaca & Palomar Colleges**

» **SWC lawyer changed the Memorandum of Understanding (MoU) with Cuyamaca**

- **Some changes based on my concerns**
- **Some changes were her legal changes**
- **REBRAC Director, Michael Hall, may balk at the changes and refuse to approve the MoU. I may need your help!**

# **BECOMING A VALUABLE ENVIRONMENTAL RESOURCE FOR OUR BIOREGION**

- **Symposium on Sustainable Development and Permaculture on October 24th & 25 at Southwestern College in conjunction with Sustainable Community Action Network, WE-CAN, & REBRAC**



## **SOME CURRENT PROBLEMS**

- **Low enrollment this semester**
- **Other local environmental education organizations may be working to keep the SWC ET program from growing**
- **Student worker for the ET program has been removed**
- **Chicana adjunct was called “unemployable” by department secretary, issue has gone to the SWC lawyer**

## **COMMENTS/QUESTIONS OF THE SPRING 98 MEETING**

- **Rotating elective**
- **Need for technical writing**
- **Talk about various environmental jobs in the introductory course**
- **What is our philosophy, priorities, mission**
- **Need prerequisites**
- **Make the program meet the needs of a greater student population**

## **ROTATING ELECTIVES**

- **Will use the courses under consideration for these**
- **Have to assure the full-time instructor keeps his full load**

# **TECHNICAL WRITING NEED**

- **Will discuss joint writing assignments with technical writing instructor**
- **Will advise student to take technical writing instead of business writing**

## **DISCUSS VARIOUS ENV. JOBS IN INTRO. CLASS**

- **Will be part of the introduction class this semester**
- **Will do this again in the proposed Cooperative Work Experience course**

# **PHILOSOPHY, PRIORITIES, MISSION**

- **The program need to do this**
- **Will be based somewhat on slides 1 & 2**
- **Please share your ideas**

## **PREREQUISITES**

- **Done for the new course of the Occupation Health and Safety emphasis**
- **Will incorporate this slowly in the Environmental Management emphasis, otherwise all ET students will be taking electives and few will be in ET classes**

## **MEET NEEDS OF A GREATER STUDENT POPULATION**

- **Proposed an ET certificate**
  - » **a basic certificate**
  - » **an advanced certificate**
- **Expanding AA degree offerings**
  - » **Environmental Management**
  - » **Occupational Health & Safety**
- **New articulations with 4-year institutions will require custom general education requirements**



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