Geotech Certificate Advisory Board Meeting Minutes April 5th, 2019. Present: Dave Mrofka, Becca Walker, Greg Acosta, Dafna Golden, Juan Guerrero, Frank Jordan, Joe Kingsbury, Marty McLeod, Shant Minas, David Perry, Matt Robles, Brian Scott, Rick Small and two others.

Brief Introductions: 13 of the 19 advisory board members were present. Becca, I and all 13 introduced themselves

Certificate Rationale: Dave spent some time discussing "why" the ESA department was creating the certificate (students love the geosciences but not ready for transfer, don't want to pursue a 4yr degree, get bogged down with physics/chemistry/math, lots of jobs coming in the pipeline, strong need for employees with post-secondary training).

Survey Results on Courses for Certificate: there was a discussion about results of the survey question on required courses.

Structure of the certificate: looked at the chronology of coursework in the course inventory **Survey Results on Skills in the Certificate**: there was a discussion about results of the survey question on required courses.

Discussion: Shant Minas discussed the merit of the certificate. There is one sort of similar at PCC for construction, but past time something like this was put together; he will send people to earn it and also his company would have internships.

Vote to Proceed with submitting the certificate: Unanimous consent that the certificate will help students compete for a number of highly paying entry-level Geotech jobs and it should be submitted to stage 2 in WebCMS.

Discussion about further challenges:

- 1) Externships: Becca and Dave will be requesting externships to learn skills
- 2) Finish Curriculum: modification of geol31 & 33 to incorporate key skills
- 3) Equipment: possible to ask companies for old equipment to donate?
- 4) Internships: looking for first internships Fall 2021
- 5) More advisors: need more advisors; Dave-especially water or environmental
- 6) Dave Perry: might be able to assist in an externship at Wood. He will talk with some of our Managers
- 7) Brian Scott: asked if there will be an application process...Dave and Becca will look into this but it may violate students rights?
- 8) Frank Jordan: suggests Anna Garcia, Principal Hydrogeologist with the Mojave Water Agency may be a good fit for the group. agarcia@mojavewater.org or 760/946-7063

Final Discussion:

Dafna-interested in participating in externships

Greg-cleared up that externships are for Dave and Becca not students...concerned about situations with waste or contaminants and liability

Shant: exams for deputy grading inspector City of LA are through "ICC" (international code council)

Greg: water cert at Mt SAC is more for a water systems operator, maybe not so helpful for certificate?

Rick: what sort of water advisors...operator or tech people? Discussion about what was needed

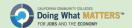
(attached below are advisory committee meeting slides)











Time to vote...anyone here who feels like we should not proceed and take the next step... Submitting this certificate to the College and the Chancellor's Office ??? (FYI: this involves a number of months of back and for

Challenges and Opportunities Ahead

Externships: Becca and I will be asking some of you if we can come learn, at no cost, some of the skills we need to teach Finish Curriculum: Narrow down the list of skills and fit them into two methods courses Equipment: We may be asking around to see if companies are interested in donating equipment for a tax write-of the course of the

Thanks so much for your help so far, today and in the future!!

We are done...unless you want to stick around and make some more suggestions...I'll remain on until everyone has logged off.