



GIT/SUR Advisory Committee Minutes, Spring 2017

Date: March 8, 2017

Number of Attendees: 15

Called to order: 1:15 pm

Adjourned: 2:20 pm

Chairperson: Tami Wiggins

Recorder: Jennifer Woods

Members present from industry: **Candace Bogart**, US Forest Service; **Bob Green**, Vectors; **Will Plotner**, Cartesian Surveys; **Loren Risenhoover**, City of ABQ; **Anthony Romero**, NM DOT; **Glen Thurow**, Land Links Consulting Services; **Tami Wiggins**, Blue Skies Consulting

Members present from CNM: **Amy Ballard**, AT Assoc. Dean; **Lisa Chakos-Knapp**, CNM Dual Credit; **Ron Forstbauer**, Surveying Instructor; **Karen Grandinetti**, AT Enrollment Strategist; **David Ruff**, Program Chair, Instructor; **Theresa Watson**, GIS Instructor; **Jennifer Woods**, Academic Tech Assist.; **Corina Chavez**, CNM Student

Next scheduled meeting: Wednesday, October 11, 2017, 12:00 or 1:00 pm, Advanced Technology Center

I. Welcome/Introductions: Theresa Watson opened the meeting and introductions were made all around.

II. Minutes: Motion to approve, seconded; approved as is.

V. Reports: Theresa announced that Tami Wiggins will now be the Chair person for this committee, which pleased everyone present. Amy remarked how pleased she is that Tami is taking up the reins on this.

Theresa also expressed sadness at the passing of John Gonzales, who was a graduate of the GIS program, and former CNM employee.

Theresa reported that there were some curriculum changes. The GIS Fundamentals class is doing very well, which has caused enrollment to go up in the GIS Introductory class. Of the few students who graduated last term, one was accepted into a graduate program at UNM.

VI. Old Business Amy said that NMSU is planning to revive their Geomatics program. They support a 2 + 2 idea, and are open to having CNM as the fieldwork aspect of the four-year degree, with the rest of the program to be completed on-line. Amy and Ron will give a presentation at the professional surveyors conference in order to let others know what is happening.

Will said he is planning to put together a marketing website for both CNM and NMSU, which will feature information such as how many students are in the program, how many students receive scholarships that are non- need-based, and the percentage of student employment after graduation or how many move on to other programs.

March 24 and 25 at Sandia Casino is the next conference for Professional Surveyors.

Ron talked about the NSPS student competition, in which his students usually participate. At the conference, the group presents its project to the members. Amy thanked the present committee members for their support of this effort and thanked Ron in particular for raising enough money to fund the students' trip to Washington DC last year.

Glen said that the National Council of Examiners for Engineers and Surveyors has a Surveying Program of Distinction award. First place award is \$25,000. There will be three \$15,000 awards, and three \$10,000 awards. CNM will be invited to this and hopefully would have the good fortune to win this award.

Ron talked about the student chapter of the NMPS. Their focus is outreach at the state conference and to host some HS students. Some of his students go to the local chapter of the NMPS and wind up getting job offers.

Ron talked about new equipment we have received: new Carlson GPS Base and Rover setup and Trimble hand-held GPS mapping units with better software.

Ron said we have one student who has been hired at USFW, three at Souder Miller and one at High Mesa Consulting. Amy remarked that the water authority has hired a lot of our students. Amy asked the group if there are any job opportunities now. Robert Green with Vectors will be hiring, and Anthony Romero said he has a couple of open positions. Amy and Karen talked about how employers can use the Job Connection Services to post jobs.

David talked about the Open House we had in November, which was a great success. Karen talked about the new one we will have on April 12, which will highlight all the programs at the Advanced Technology Center. She has all the information on this event. Karen can be reached at kgrandinetti@cnm.edu 224-4000 X 53276.

Ron expressed thanks to Will and Loren for allowing their employees to come to CNM for refresher classes.

VII. New Business Amy began discussion about the DACUM workshop we recently had for a new Certificate UAS program. DACUM stands for **D**eveloping **A** **C**urriculum and it is a method of identifying tasks and knowledge base that a graduate must have in order to obtain an entry level position in any particular field. The workshop is comprised of eight to ten members of the industry. Their job is to identify and describe all the duties a UAS technician would do and then break down those duties into the tasks. Mapping and cinematography were the focus. Future trends and concerns were discussed too. Just owning a drone is not enough to be of use in the industry. A graduate must also be knowledgeable about how to interpret and use the data, and that is what the new certificate will address. Robert remarked that there has to be a mesh between the knowledge base of a photogrammetrist and the technician who knows how to fly a drone. CNM has a strong base for teaching mapping skills, and incorporating drone flying skills is an excellent next step for us.

We will have an exam prep class this summer for preparing for the part 107 test. Open Source and QGIS will be taught this summer too.

Ron is teaching a one-day workshop for industry people so they can learn what drones and mapping are all about. That will be this summer and he will let everyone know when.

Theresa talked about the software/hardware for new equipment. RTK GPS for fixed wing drones will be for surveying. We are upgrading our Inspire drone. We have ordered a Mavic drone, which comes with avoidance maneuver capability. We also want to acquire a 3-D scanner. Theresa is also working on integrating UAS and GIS courses. We will be integrating more photogrammetry into the GIS courses, and develop an ASPRS certification for photogrammetry.

The NMGIC meeting is April 27 and 28.

VIII. Future Trends and concerns No one had anything to contribute

IX. The next meeting is scheduled for Wednesday, October 11 at the ATC

X. The new members were given the Advisory Member Feedback Survey.

VI. Adjournment 2:20 pm