

10/19/2017 E/E Advisory

Bill Scholl

AUTO METER PRODS.

Jim Gloss Outback Machine Shop
Genoa

Michael Callin Ironman Electronics

Charles Raimondi

ELE Advisory Meeting

10/19/17

Meeting Called to Order at 6:10pm

Matt -

President appreciates time and appreciates feedback on program, ideas, etc, suggestions, consensus

Comments on last minutes:

Charles - moved away from certification, updating and focusing on curriculum more instead

Michael - Mike Chen hosting 1-2 events a year and the offer is out there when ready

Charles - will discuss more in the spring

Michael - will be a trip for enjoyment and to learn

5 standing robots, mobile robot, much more structured

Charles - will give students beyond basics - all of what's out there

Michael - can extend credential (for Charles) so can teach students how to build up cabinets

No classes - maybe 1-2 days - and will be given credentials

Michael - attendance has gone up from previous

Charles - Fundamentals, ELE 101 attendance is up 211, 103, PLC up also - high interest

Michael - Success Stories database to motivate + helpful to students with applications in automation environment

Omron - taken on 6 universities/junior colleges building up their ~~auto~~ programs (across nation)

Charles - PLC I lab binder printed + being modified with more practical applications

Students want robots

Michael - V++ programming

you can download their programming for free (emulation + simulation)

(2)

Jim
(Automotive Assembly - not coming to IL)

Matt

Declared program majors doubled since 2014
not all traditional high school age students
Balancing attracting/retaining traditional students that come during the day and groups that come to night classes
113, 101

Same course, same day afternoon + evening to accommodate both groups = increasing majors declared

College 9-10% lower credits this fall ELE down 7 1/2%
but trend in student interest

Also 50% increase in tuition this fall for new students
due to differential tuition rate due to lab time/cost
Charles -

College-wide effort to reach high schools for recruitment
Graciela starting it and ELE will jump in and spread awareness of ELE - good start to prep for NIU etc

Charles - physically building PLCs, etc

more engagement, hands-on rather than listening to lecture,
Planning on another Open House with companies

Michael - offered facility at Hoffman Estates for Open House

Charles - bought digital timers and preparing to
implement them

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Charles -

2 students at Fermi Lab

Bill -

need to get word out re 2 students at Fermi Lab
success stories - use as a tool to recruit

Michael -

we have good, motivated people - need to get word out the testimonials - biggest successes

Matt -

new intern doing social media - need to get success stories out to gain interest - communicate successes of program - spark interest from where it's taken students

Michael - offered pens, etc

Charles - ELE will be getting pens, marketing supplies, etc
will say ELE/Kish and automotive

Matt -

Hosted 2 wk engineering boot-camp - cycled thru each area - and free ^{credit} class being hosted this fall for these students - (funded by college foundation) planning catapult and will build in spring semester (designing/modeling)

- think ICAT

also industrial maintenance apprenticeships 3yr program multidisciplinary program, including ELE courses
students earn German credential, AAS degree +

2yr guarantee of employment and no cost to student
work 3 days a week and paid to go to class 2 days/wk
3 students right now

- reaching local HS to spread word / recruitment

U.S. Department of Labor support

- Gaining lots of interest

- looking for employers who want to participate
(German American Chamber of Commerce)

Palatine, Hanover and North Central part of state involved

thru
- think
ICAT

(4)

Job market for Kish students

Matt - industrial maintenance - greater need than interested students

Charles - companies need students who really are ready & capable of doing jobs

Michael - jobs out there for qualified people - need skills

Matt - working to ensure graduates are equipped, developed for what employers need

Prerequisite Change

130 pre-reg removed - students don't need 101

(DC fundamentals removed) going for Dec. vote to get off pre-reg for spring (general agreement)

Michael - proposed skills check entry/proficiency test to see if they're ready or if they need a couple preparatory courses?

Jim - however, don't want to scare students away

113 update

Charles - 16 wk course, looking for lab ideas!

Michael - NAC code?

Charles - yes, working on that

Michael - has labs, but more industrial applications

Matt - that would help lead to next courses in future

Michael - add in safety & procedures

Charles - yes, incorporate into 113 along with 211

Michael - scada - helpful with bilingual students
big part of factory automation

Charles - PLC I HMI intro PLC II full blast w/it

Michael - industrial PCs embeds PLC software

Charles

(5)

PLC II - more advancement to be discussed in spring

Analog cards - going to get that up & running

Needs 6 more cards

Michael - requested e-mail with card numbers

Charles - will definitely need more for spring - need funding

Motor Control

- Made stack lights, a 3 phase per station

- Pneumatics

Soldering/Circuit Building / Board Build

will be taught

Charles - will work on Digital II Course

Robot Status - emailed college - looking for grants

PLC I, II no book, using OMRON - optional book but mostly using Charles notes + OMRON e-Learning

Student Employment

looking for internships for students for summer 2018
electronics, PLC programming hands-on

Charles - 1st semester/year students not ready, but those who get thru program/fundamentals

Pleased with Charles's work past 4 years

Charles - program depending on the support of others

Charles - making courses more experienced-based rather than test/midterm/final based

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For next meeting, Michael:

What steps are being taken on recruitment?

Plan/schedule/movement to build that up?

Measurable success/progress/growth

Bill-

also use success stories as measures of program success

use numbers - ratio of what graduates do/where they go

what they do after graduation

Charles-

add recruitment/success to agenda

Next meeting: April 19th, 2018

Finished 7:30pm