DIFFERENTIAL FEES FORUM

By Manos Maragakis, Dean CoEN
April 25, 2016
Overview of Forum

- Differential Tuition Fees defined
- Committees; Faculty & Student
- Funds
- Accomplishments this year!
Differential Fees - Defined

- Add $85 per credit for all 300- and 400- level courses.
- Add $100 per credit for all 600- and 700- level courses.
- Removed all course and laboratory fees for 300-, 400-, 600- and 700- level courses.
Committees
Student Sub-Committee

Stephen Williams - CSE
Olivia Tanguileg - EBME
Sebastian Varela – Graduate Students
Nicholas Winner - CME
Richard Long - ME
Nicole Furtaw - CEE

COLLEGE OF ENGINEERING / MAKING A WORLD OF DIFFERENCE
Student sub-committee

You can get involved!

- Five undergraduate students; and one graduate student.
- Appointments for one academic year.
- Students self-nominate in Fall. Then elected by student body in general election.

See Julia McMillin for details!
Faculty Sub-Committee

Gokhan Pekcan
CEE and Chair

Monica Nicolescu
CSE

Xiaoshan Zhu
EMBE

Eric Wang
ME

Charles Coronella
CME

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Faculty sub-committee

- Comprised of five faculty members; one faculty member to represent each department.

- Appointments are for one academic year with two renewals possible.

- Faculty members chosen by the Chair of each of the five College of Engineering departments.
Funds
Available Funds FY16
(revenue as of 4/2016 + last year carry over)

- Central Fund - $1,202,000
- Civil & Environmental - $246,562
- Chemical & Materials Science - $89,148
- Computer Science - $253,508
- Electrical & Biomedical - $98,399
- Mechanical - $338,238
- Scholarship - $369,000
- Total = $2,596,855
<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Total Revenue + Carry-over</td>
<td>$1,202,000</td>
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<tr>
<td>Student Club Support</td>
<td>$71,000</td>
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<tr>
<td>Student and TA’s Tuition, fees, international exchange fees</td>
<td>$14,000</td>
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<tr>
<td>Professional Salaries, LOA’s,</td>
<td>$455,000</td>
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<tr>
<td>Wages, graduate salaries</td>
<td>$136,000</td>
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<tr>
<td>General Operations</td>
<td>$150,000</td>
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<tr>
<td>Fringe</td>
<td>$137,000</td>
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<tr>
<td>Equipment</td>
<td>$170,000</td>
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<tr>
<td>Transfers “VT or transfer voucher”</td>
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<td>FY16 funds remaining to be spent</td>
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## CEE Differential Spending FY16

<table>
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<tr>
<th>Category</th>
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<tr>
<td>Total Revenue + FY15 Carry-over</td>
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<tr>
<td>COEN Web Specialist (including fringe)</td>
<td>$8,001</td>
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<tr>
<td>Professional Salaries + LOA’s + Fringe</td>
<td>$15,732</td>
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<td>Graduate Salaries + Wages</td>
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<td>General Operations</td>
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<td>Equipment</td>
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<td>Tuition &amp; Fees</td>
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<td>Total FY16 Revenue + FY15 Carry-over</td>
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<td>TA Salaries</td>
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<td>Fringe</td>
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<td>Travel</td>
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<td>Tuition</td>
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<td>Graduate Salaries + Wages</td>
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<td>General Operations</td>
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<td>Tuition &amp; Fees</td>
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<td>Total Revenue + FY15 Carry-over</td>
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<td>Lecturer</td>
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<td>Equipment for 400/600 level labs</td>
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<td>Operating expenses for 400/600 level labs</td>
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<td>FY16 funds remaining to be spent</td>
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## ME

### Differential Spending FY16

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<tr>
<td>Total Revenue + FY15 Carry-over</td>
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<tr>
<td>COEN Web Specialist (including fringe)</td>
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<td>Salaries for LOA’s</td>
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<td>Professional Salaries</td>
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Engineering Leadership Council funding

- Granted $48,000 per year for 3 years!
- Made up of 29 engineering clubs
  - Supplemental funding source
  - Clubs submit formal request with invoice quotes
  - Engineering Leadership Council (ELC) votes to approve or deny requests (yes, denials happen)
- Most requests for professional conference attendance ~$34,000
- Rest of monies are spent for club events & recruitment ~$14,000
Student Club Funding
Central Fund

- ASCE Mid-Pacific Student Conference $15,000
- Human Powered Vehicle Club $2,000
- EERI Seismic Design Team $1,200
- Wolfpack Racing Society; Baja Competition $4,000
Engineering Tutoring Center

Sarah Fleischmann Building 204A

- 3rd year in operation!
- Center employees 15 student tutors and 3 front desk student workers.
- Approximately 1200 students have visited the Center since its inception.
- Over 6000 total visits, averaging 5 visits per student.
Student Support
Central Fund FY16

- Tutoring Center $65,000
- Advising Center $96,666
- Career Services Office $78,000
- New Faculty Training Workshop $13,000
- MSE Teaching Assistant $7,000
- ENGR 301 Student Assistants $18,000
- ENGR 100 course supplies/resources $10,000
Equipment & Operating
Central Fund FY16

- Micro hardness Testing System   $15,500
- CHE 320 Principles of Sustainability   $1,500
- Enhancement of Batteries Lab   $6,500
- TGA Biomass Characterization   $1,450
- International Student exchange Scholarships $7000
- High Performance Computing Cluster   $7,500
- Molecular Biology Lab   $18,000
- Versatile Heat Press Machine   $4,200
- High Speed Cameras   $4,500
Equipment & Operating Central Fund

- Modeling & Simulation Cluster $7,000
- Position sensitive detector upgrades $3,152
- Characterization of Soils for pavement design $7,000
- Virtual Reality hardware $5,000
- Metallographic polishing machine $11,000
- Creation of Nuclear Education Lab $7,500
- No Machine Cluster Expansion $20,000
- Robots & Sensors $28,000
- CEE Instructional Lab Improvements $35,000
Equipment & Operations
Central Fund

- Tunable Laser $16,560
- Professional 3D Printer for Capstone Design $3,868
- Solid Mechanics & Structural Analysis Buckling $1,500
- EQPT Geotechnical Laboratories $15,000
- Bioprocessing Laboratory Upgrade $15,000
- Ganeti Cluster Storage Expansion $12,700
- Robotics for Experimentation in the classroom $31,500
Graduate Assistantships for doctoral students

- 4 departments received research assistants - $65,000
  - Civil – Ganjin Li
  - Computer Science – Banafsheh Rekabdar
  - Electrical and Biomedical – Reza Jalilzadeh
  - Mechanical – Milad Tatari & Duke Culbertson

- The assistantships are for one year.

- Recruit highly qualified doctoral candidates allowing for an increase in research production, course offerings and program reputation.
Measures taken to Address ECC Congestion

- CEE scheduled most dept labs in Lab C, in exchange for expanding SEM 321

- CSE Dept implemented NoMachine, for remote ubuntu.cse.unr.edu

  (project funded by Differential Fees)

- IT Dept introduced remote.unr.edu for Windows software

- Set up “quick-print” station; added trial print station in DeLaMare
Usage of Linux in ECC vs. Remotely
Our alumni can be found in every engineering and computer science based industry

Many of our alumni can be found in Nevada & California, but also find jobs across the country
Scholarship

- $369,000 allocated for Scholarships
- Financial Need Based (FAFSA)
- Min. of 12 credits per semester
- Min. GPA 2.75 undergraduate; 3.0 graduate
- Must be enrolled in at least one Engineering course bearing differential fees a semester
- February 1 --- Priority deadline to complete “Graduate/Undergraduate Scholarship Application”
- Apply online at MYNEVADA
Past Major Accomplishments

- Mechanical Engineering instructional lab
- Civil & Environmental interactive teaching lab
- Graduate Research Assistantships
- Engineering Tutoring Center
- Career Services Office
- Advising Center; Student Advisors & Staff
THANK YOU!