# Agenda for February 22, 2017 meeting – CENGR Curriculum Committee
## 11:00 am – 12:00 pm Coverdell 104

**Announcements**

- Changes to agenda?
- Review and approve minutes from last meeting

**Updates and Discussion**

- Graduate program design proposals from the three Schools – Larry Hornak
    - ECE
    - ECAM
    - CMB
- Graduate level certificate in sustainability circulated to the committee in December and out for review by the various Schools.

**Proposed curriculum and course change proposals**

ECAM Origination:

Course Change Proposals

- CVLE 4340 change to CVLE 4340/6340 Design of Bridges
- ENGR 3410 change to ENVE 4430/6430, plus associated CVLE and ENVE curriculum changes
- MCHE 4500/6500 – Adv. Thermal Fluid Systems (change to dual level)

New Course Proposals

- GEOG-ENGR 4390-6390 Small Sat Course Proposal (new)
- ENGR 8XXX - Engineering Properties of biological materials (new, Foutz)
- CVLE 8XXX – Inelastic Behavior of Asphalt (new, Kim)
- CVLE 8XXX - Environmental River Mechanics (new, Bledsoe)
- CVLE 8XXX – Adv. Concrete Materials (new, Durham)

CMB Origination:

Course Change Proposals

- BCHE 3180 (increase credit from 2 to 3)

New Course Proposals

- BCHE 4550/6550 Bioprocess Design and Simulation
- BCHE 8220 Advanced Metabolic Engineering and Synthetic Biology
- BCHE 8350 Sustainable Process Engineering
- BCHE/BIOE 8610 Bioelectroanalytical Techniques
- BCHE/BIOE 8970 Bioengineering Seminar

- BIOE 4720/6720 Human Factors and Ergonomics in Biomedical Device Design
- BIOE 4750 Biomedical Engineering Lab
- BIOE 4780 Regulations and Ethics in Biomedical Engineering
- BIOE 8490 Advanced Biomaterials
- BIOE 8510 Systems Physiology Modeling
- BIOE 8530 Advanced Biomedical Instrumentation
- BIOE 4910 Biological Engineering Capstone Design I
- BIOE 4911 Biological Engineering Capstone Design II

ECE Origination:

Course Change Proposals

- CSEE 4280 Advanced Digital Design (modification)

New Course Proposals

- ENGR 4750 Programming for Computational and Systems Biology (new)
- CSEE 8300 Cyber Physical Systems (new)
- INFO 8000 Informatics (new)
- ELEE 8510 Microwave Photonics (new)
- ELEE 8580 Biol Microscopy (new)

**New business**

- Need for progress tracking in each school – example of ECAM CAPA tracking (+ ME track).xlsx
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**Future meeting plan and actions coming**

- Wednesday, March 29 at 11:00 in Coverdell 104.