

# SEAUPG 2002 CONFERENCE

## Academia Issues

Kevin D. Hall  
 Professor  
 University of Arkansas  
 479-575-8695  
 kdh3@engr.uark.edu

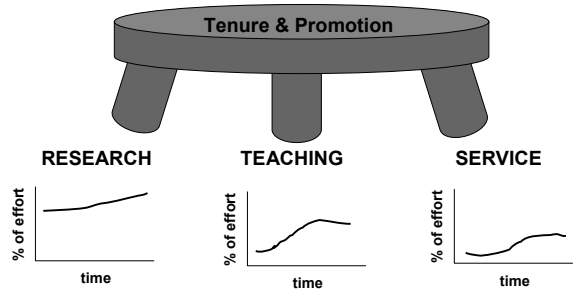
### Outline

- The university experience
  - Accreditation
  - Faculty expectations
  - Undergraduate curriculum issues
- How you can help
  - Contractors
  - Agencies
- Final Thoughts

### Accreditation

- Many state Boards requiring accredited degree for P.E.
- Overall criteria by ABET
  - Includes comprehensive non-technical issues
- Specific program criteria by ASCE
- 7 recognized emphasis areas in Civil Engr
  - ABET: must be “proficient” in at least 4 areas
- Must include “culminating” design experience

### The Engineering Faculty....



KEYS: External Funding + Refereed Publications

### Undergraduate Curriculum

School	Semester Hrs Req'd for Bachelor Degree	Req'd Undergraduate Asphalt Course(s)
Univ. of Alabama	131	CE Mtls; Bit. Mtls/Mixes
Univ. of Arkansas	136	CE Mtls; Trans Mtls
Auburn University	134	CE Mtls
Georgia Tech Univ.	128	CE Mtls
Univ. of Florida	131	CE Mtls
Univ. of Kentucky	132	CE Mtls; Bit. Mtls/Mixes
Louisiana St. Univ.	134	Engr Mtls
Mississippi St. Univ.	133	Constr Mtls; P/vmt Mtls/Des
Univ. of Mississippi	130	CE Mtls
Univ. of S. Carolina	128	CE Mtls
Vanderbilt Univ.	126	---
Univ. of Tennessee	135	Constr Mtls

### Mr. Contractor: What can you do...?

- Direct funding of research
- Partner with academia for research
- Employ students
  - Internships, Summer jobs
- Provide equipment (grant or loan)
- Provide materials
  - Laboratory (aggregates, binder, etc.)
  - Instructional (publications, CD-ROM, etc.)
  - “Finished” projects for culminating design experiences
- Provide faculty travel fellowships
- Provide visiting faculty / lecturers / field trips
- Lobby university administration

Support your LOCAL University!!

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## **Mr. Agency: What can you do....?**

- Direct funding of research
- Employ students
  - Internships
  - Summer jobs
  - Graduate fellowships
- Provide equipment (grant or loan)
- Provide design examples
- Provide visiting faculty / lecturers / field trips
- Lobby university administration

**Support your LOCAL University!!**