

West Virginia University
Department of Civil and Environmental Engineering
Course Syllabus

Course: CE 301 – Engineering Professional Development
Semester: Spring 2015
Instructor: Dr. David Martinelli, drmartinelli@mix.wvu.edu,
david.martinelli@mail.wvu.edu; Assistant: leslie.vanzant@mail.wvu.edu
Class meeting: Thursdays 2:00-2:50 G39 Engineering Sciences Building
Course Objective: Preparation for the non technical aspects of the civil engineering profession, including ethics, professional registration, professional and personal development and self directed life long learning.

Expected Learning

Outcomes: Upon successful completion of this course, students will:

1. Understand the tenants and application of professional ethics and professional responsibility
2. Understand the tradeoffs between entering the workforce or graduate studies upon graduation
3. Understand the steps and towards professional registration
5. Be introduced to basic management practices for practicing as an engineer.
6. Be introduced to career planning and professional development.
7. Communicate effectively in oral, written, and electronic formats

Outcomes Relevant to Accreditation

8. Gain awareness of the impact of engineering solutions in a global and societal context
9. Understand the need and acquire the ability to engage in lifelong learning

Grading Policy:

50% of the grade of the grade in this course is attendance, 50% is a report on a book and how it applies to your short and long term professional development. The report is due Thursday April 23 and should be a book from the list below or from a book of your choosing with instructor approval. The report should be at least 5 single-spaced pages using Times Roman 12-point font and 1 inch margins.

Books:

How to Win Friends and Influence People, Dale Carnegie

Success Through a Positive Mental Attitude, Napoleon Hill and W. Clement Stone

Think and Grow Rich, Napoleon Hill

21 Irrefutable Laws of Leadership, John Maxwell

Seven Habits of Highly Effective People, Steven Covey

Purpose-Driven Life, Rick Warren

Emotional Intelligence, Daniel Goleman

Success, One Day At a Time, John Maxwell

Never Eat Alone, Keith Ferrazzi

Monday Motivation, Kathleen Dubois

The Willpower Instinct, Kelly McGonigal

Attendance Policy: You are expected to attend all classes. If you have a specific problem with attendance, notify the instructor prior to class, unless the emergency is such that this is not possible. You are allowed one unexcused absence during the semester, two unexcused absences will result in one letter grade reduction and three will result in mandatory withdraw from the course or failing grade. If you have two *excused* absences, then you are not permitted any *unexcused* absences.

Tentative Course Schedule (subject to change)

Week	Topic	Speaker
1	Introduction, course overview, expectations	Dr. David Martinelli
2	Engineering Professionalism	Dr. Ronald Eck PE, WVU CEE
3	Job Climate and Engineering Hiring	David Durham, WVU Career Services
4	Trends in Civil Engineering	Dr. Sam Easterling, PE, VA Tech
5	Generational Leadership	Lydotta Taylor, Edventure Group
6	Tips for Early Career Success	Aaron Humberson, Andy Dye
7	Attitude for Success	Grant Stewart, Performance Matrix
8	Alex Noble, Karly Pritts, Ryan Hess	Graduate Studies
9	Time Management	Ed Decosta, Catalyst Associates
10	Resumes, Job Search, Interviews	Kelly Stewart, CEMR Career Services
11	Goal Achievement	Ed Decosta, Catalyst Associates
12	Engineering Ethics	Chris Anderson, Robindale Energy
12	Tips for Success	Barry Schlouch, Schlouch
14	Entrepreneurship	Woody Thrasher, PE, Thrasher Engineering
15	Open	