

West Virginia University  
Department of Civil and Environmental Engineering  
Course Syllabus

<u>Course:</u>	CE 301 – Engineering Professional Development
<u>Semester:</u>	Spring 2018
<u>Instructor:</u>	Dr. David Martinelli, <a href="mailto:drmartinelli@mix.wvu.edu">drmartinelli@mix.wvu.edu</a> (routine messages), <a href="mailto:david.martinelli@mail.wvu.edu">david.martinelli@mail.wvu.edu</a>
<u>Text Messaging:</u>	304.216.4222
<u>Class meeting:</u>	Thursdays 2:00-2:50 MRB 113
<u>Course Objective:</u>	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 in this course is attendance, 50% is a report on a book and how it applies to your short-term and long-term professional development.

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.

The attendance policy also includes required participation in the Class eCampus Forum. Each week shortly after class I will create a Discussion Forum with a first thread of which will be my thoughts on the lecture. You can then reply to my thread in offering your thoughts. You are required to post a discussion for at least seven of the classes by Wednesday of the following week.

Book Report:

The report is due Thursday April 12 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 4 full single-spaced pages using Times Roman 12-point font and 1 inch margins. A stapled cover page to this report is required. Please email the instructor your book selection by February 1.

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

Release Your Superhero, Ed Decosta

Tentative Course Schedule (subject to change)

Week	Topic	Speaker
Jan 11	Introduction, course overview, expectations	Dr. Martinelli
Jan 19	Job Searches, Resumes, and Interviewing	Toni Dobis, WVU Career Services
Jan 25	Time Management	Ed Decosta, EdDecosta.com
Feb 1	Professionalism and Ethics	Dr. Ronald Eck, PE, WVU/CEE
Feb 8	Graduate Studies	Dr. San Easterling, PE, VA Tech
Feb 15	Tips for Early Career Success	Aaron Humberson, Andy Dye, Falcon Constr Serv
Mar 1	Generational Leadership	Lydotta Taylor, Edventure Group
Mar 22	Tips for Early Career Success	Ryan Hess, The Mills Group
Apl 5	Essential Professional Skill Sets	Chris Anderson, Robindale Energy
Apl 12	Professional Attitude	Grant Stewart, Performance Matrix
Apl 19	Lessons From Your Future Self	Ed Decosta, EdDecosta.com and Dr Martinelli
Apl 26	Goal Setting and Achievement	Dr. Martinelli