Course: CE 301 – Engineering Professional Development

Semester: Spring 2018

Instructor: Dr. David Martinelli, drmartinelli@mix.wvu.edu (routine messages), david.martinelli@mail.wvu.edu

Text Messaging: 304.216.4222

Class meeting: Thursdays 2:00-2:50 MRB 113

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
4. Be introduced to career planning and professional development.
5. Be introduced to basic management practices for practicing as an engineer.
6. 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)

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