

-S-2011 ATMAE Assessment Inventory

Course Name

Instructor:

Competencies:

- CMD-1: Function effectively in a mid-management position in a construction industry.**
- CMD-2: Identify and read working drawings effectively.**
- CMD-3: Identify and integrate different type's construction materials and methods into building systems.**
- CMD-4: Coordination, supervision, and administration of construction projects.**
- CMD-5: Apply management theories and concepts to construction practices.**
- CMD-6: Identify construction occupation hazards and take appropriate action to eliminate them.**
- CMD-7: Demonstrate proficiency in scheduling construction projects.**
- CMD-8: Demonstrate proficiency in estimating the cost of construction projects.**
- CMD-9: Interpret construction contracts relative to legal issues and building codes.**
- CMD-10: Utilize computers in construction planning, scheduling, administration, and cost planning activities.**
- GM-1: Demonstrate utilization of data to produce images for publishing to print or online.**
- GM-2: Utilize tools of communications to compose and reproduce graphic materials for a variety of communication devices.**
- GM-3: Demonstrate utilization of software to design and produce high-quality multi-media.**
- GM-4: Demonstrate the ability to design and create technical drawings necessary for industrial products and applications.**
- GM-5: Apply knowledge of communication principles to create advanced technical projects.**
- GM-6: Demonstrate utilization of equipment and software to produce print media.**
- IM-1: Demonstrate and perform supervisory tasks required of personnel in manufacturing industries for maximizing production efficiencies regarding time, materials, machine, and human resources availability.**
- IM-2: Develop and perform structured problem solving techniques and be able to utilize principles of consensus in the decision making process.**
- IM-3: Develop and demonstrate a work ethic consistent with industrial management practices and procedures.**
- IM-4: Recognize, understand, and utilize human resource management skills such as communication, motivation, team work, cooperation, and the like.**
- IM-5: Assess and develop production strategy based on the manufacturing process.**
- IM-6: Demonstrate safe work-habits and explain their importance to the industrial work environment.**
- IM-7: Explain the importance of proper utilization of new technology to increase productivity.**
- IM-8: Understand and function effectively in a modern industrial enterprise.**
- IT-1/O.7: Develop a working knowledge of safety standards and apply appropriate safety procedures while at work.**
- IT-2/O.4: Identify and apply the concepts of "quality" as it relates to products and services.**
- IT-3/O.5: Identify and understand supervisory strategies in an industrial enterprise.**
- IT-4/O.7/O.8: Understand issues and the impact of science and technology on the society.**

IT-5/O.1: Complete the research and analysis of work and operations associated with activities in a modern enterprise.

IT-6/O.6: Analyze, prepare, and edit various types of technical information encountered in technical & scientific fields.

IT-7/O.3: Analyze data to solve practical problems by applying appropriate mathematical and scientific techniques.

IT-8/O.1: Understand programming concepts and application.

TCN-1: Understand the state-of-the-art technologies, concepts, and design issues in current telecommunications and computer networks.

TCN-2: Understand well-known networking models, standards and protocols, and relate them to practices.

TCN-3: Apply communication theories to solve telecommunications problems.

TCN-4: Demonstrate capability of using software tools and configuring wired/wireless data and voice network devices.

TCN-5: Design, implement, monitor and troubleshoot network functionality, manage network faults and performance.

TCN-6: Apply security principles and technologies to solve security problems in network systems.

TCN-7: Perform server and network administration, backups and proper disaster recovery procedures.

TECH-1: Demonstrate competency in a technical area related to industry, including “hands-on” laboratory experiences to insure ability to relate to “how” and “why”.

TECH-2: Develop an understanding of advanced technical skills and principles as they relate to their AAS degree when applicable.

TECH-3: Develop and demonstrate a work ethic consistent with industrial management practices and procedures.

TECH-4: Demonstrate safe work habits and explain their importance to the industrial work environment.

TECH-5: Identify the concept of “quality” as it relates to products and services in the modern industrial enterprise.

TECH-6: Explain the importance of proper utilization of new technology to increase productivity.

In the file, you will find file folders labeled as follows:

- Forms
- Completed Rubrics
- Student Work

In the Forms folder, you will find the following:

- Course Syllabus
- Class Roster
- Blank Rubrics

The department has determined that your class meets specific competencies for ATMAE criteria. The competencies listed above are what you have identified for your class. The rubrics have been modified to reflect this.

There are two parts to this file:

- Direct Assessment of Competencies
 - Rubrics
- Student Work

- Good/Bad/Ugly

The rubrics should be used with the following guidelines:

1. Evaluate all students in the class **at least once** per competency with the appropriate rubric(s). [Note: If one piece of student work (i.e. a project, lab or test) can be used to evaluate 2 or more competencies, you are encouraged to do that. Please make an additional copy to attach to subsequent rubrics.]
2. Obtain an average score for the competency.
3. Choose three representative samples of student work –one good, one bad, one ugly. Make a copy of each and attach the rubric to the student work. Place in the corresponding “Completed Rubric” file.

The Student Work Folder is for you to use to organize your assessment; you can maintain this part of the file on an ongoing basis. Should you need an additional folder labeled and put into the file, please feel free to do so.

Contact Sarah Bolton if you have any questions: sbolton@semo.edu.