|  |
| --- |
| TRANSFER GOALS |
| *Students will be able to independently use their learning to…*   * Use the appropriate digital/analog tools to effectively and efficiently complete the stated objective and communicate the results to stakeholders and other interested parties. |
| ENDURING UNDERSTANDINGS |
| * Engineers must be able to present to diverse audiences |
| STANDARDS |
| * Principles C1C – Present written and oral communication in a clear, concise, and effective manner; * Principles C2E – compare and contrast engineering, science, and technology careers * Principles C2F – conduct and present research on emerging and innovative technology * Principles C3A – use clear and concise written, verbal, and visual communication techniques |
| ESSENTIAL QUESTIONS |
| Overarching   * Who is my audience?   Topical   * Why is it important to give others credit for the work they have done? * How can the use of multiple resources guarantee better sources? * What is research? |
| FOCUS AREAS/CRITICAL CONTENT |
| *Students will know…*   * How to prepare and present a presentation   *Students will be able to…*   * Present to the class and others |
| PERFORMANCE TASK(S) |
| Each OME:   * Put topic request on discussion board to avoid duplication * Write memo addressed to instructor with outline or script * Submit YouTube video link of practice   OME #1: Elevator Speech   * Personal “elevator speech” – 30 second [C1C, C3A]   OME #2: What is Engineering   * What is engineering [C1C, C2E, C3A]   OME #3: Careers   * Compare/Contrast engineering, science, and technology careers [C1C, C2E, C3A]   OME #4: Emerging Technology   * Research on emerging and innovative technology [C1C, C1F, C3A]   OME #5: ?  OME #6: Ethics   * Describe ethical behavior and decision making through use of examples [C1C, C3A] |
| LEARNING EXPERIENCES(ACTIVITIES) |
| All OMEs are 60-120 seconds except for elevator speech. No visual aids. Words only.  Each student will prepare an individual “One Minute Engineer” (OME) piece for presentation to the class. These presentations will be coordinated with your instructor before the presentation day.  OME presentations should be short (one minute ideally – two minutes maximum).  You are not allowed to use physical or visual aids in your presentations; this prohibition includes the use of PowerPoint.  Once you have established a potential topic, post your proposed topic to the topic proposal discussion board by the end of class on the day the presentation is assigned.  You will be notified through the discussion board if your topic has been approved or not.  Topics will not be allowed to be duplicated, and will be approved on a first-come, first serve basis.  By 11:59 PM on the day before the date of your presentation you must submit a memo addressed to your instructor that provides both the content of, and references for, your presentation.  You must use a minimum of two distinct references for your presentation.  Details presented in OMEs may form the subject matter of quizzes or tests throughout the course.  You will giving an OME on the topic: "What is Engineering?".  Remember, this is a 60 second presentation.  Be sure to follow all of the required steps.   1. Post your desired topic to the proper discussion board by the end of the class on the day assigned. 2. Submit a memo (pdf or docx) by 11:59 PM on the second day before the date of your presentation addressed to your instructor that provides both the content of, and references for, your presentation. 3. Practice your presentation.  Be sure to look at the rubric.  You will record one of your practice sessions on video and upload to YouTube.  Submit the YouTube link to the dropbox so that your final presentation can be scored on the rubric. 4. Give your presentation.   OME Introduction:   * Review presentation guidelines and how to present. Explain use of OME and timetable   OME #1   * Elevator speech – 30-90 seconds * Give class time to write first draft * Peer review first drafts in class * Rewrite second draft in class. Format as a memo. Submit * Practice in class and video. * Upload video to YouTube * Submit link * Give presentation in class   OME #2 - 6   * Write memo in class * Practice/video at home * Present in class   Discussion board:  Submit your proposed topic to the Topic Proposal Discussion board (10 points for being on time and accepted, 5 for being late and accepted)  Submissions do not have to be accepted the first time to receive credit.  They must be accepted in time for you to prepare the next step.  Memo:  Submit a memo (pdf or docx) by 11:59 PM on the day before the date of your presentation addressed to your instructor that provides both the content of, and references for, your presentation.  You must use a minimum of two distinct references for your presentation.   | **Criteria** | **Grading Scale** | | --- | --- | | **Memo** | |  |  | | --- | --- | | **5**  Is in the proper memo form: "From" information, "To" information, subject, body | **0**  Not in proper memo form | | | **Timliness** | |  |  | | --- | --- | | **5**  On time | **0**  Late | | | **Content** | |  |  | | --- | --- | | **5**  Covers the entire presentation either in outline or script format | **0**  Does not cover the entire presentation in outline or script format | | | **References** | |  |  | | --- | --- | | **5**  Two distinct, proper references cited in proper IEEE formatting | **0**  Less than two distinct, proper references and/or not in IEEE format | |   Presentation:  Practice your presentation.  Be sure to look at the rubric.  You will record one of your practice sessions on video and upload to YouTube.  Submit the YouTube link to the dropbox so that your final presentation can be scored on the rubric.   | **Criteria** | **Grading Scale** | | --- | --- | | **Responsiveness to the Audience** | |  |  |  |  | | --- | --- | --- | --- | | **7**  Content is highly relevant; adapted specifically to audience knowledge base and situation. Eye contact maintained with all audience members | **5**  Content is mostly relevant; adapted generally to audience knowledge base and situation. Reasonable eye contact with all audience members | **3**  Some content is irrelevant; some words and concepts do not match audience knowledge base or situation. Attempted eye contact, but not with all audience members. | **1**  Much of the content is irrelevant; speaker appears to ignore audience knowledge base and/or situation. Avoided eye contact with audience members. | | | **Speech Patterns** | |  |  |  |  | | --- | --- | --- | --- | | **7**  Speed neither too fast nor too slow. Volume was good – heard every word. No vocal tics (“um”) observed. | **5**  Speed at times slightly rushed or paused to fit time frame. Volume was mostly adequate; listener attentiveness required to hear words. 1 or 2 vocal tics observed. | **3**  ♣ Speed noticeably rushed or paused to fit time frame. Volume was less than adequate; some words not heard. Multiple vocal tics observed, but does not cause distraction. | **1**  ♣ Speed was entirely too fast or too slow. Inadequate volume – most words not heard. Multiple vocal tics noticeably distracts from presentation. | | | **Verbal Rhetoric** | |  |  |  |  | | --- | --- | --- | --- | | **7**  Well organized; announced topic, provided info, summarized at end. Sentences are complete and grammatical, and flow together easily. | **5**  Reasonably organized; minor problems such as overuse of pronouns or lack of summary. Most sentences are complete and grammatical, and flow together . | **3**  Not well organized; audience has difficulty following presentation. Some sentences are incomplete; grammatical errors and use of slang are noticeable. | **1**  Disorganized; audience could not follow presentation. Poor grammar / vocabulary use noticeably distracts from presentation. | | | **Physical** | |  |  |  |  | | --- | --- | --- | --- | | **7**  Displayed relaxed, self-confident nature. Did not or seldom used notes. | **5**  Displayed minor nervousness. Occasionally referenced notes. | **3**  Displayed noticeable nervousness. Overly relied on notes. | **1**  Displayed lack of confidence or disinterest. Read directly from notes. | | | **Time** | |  |  | | --- | --- | | **7**  60-120 seconds | **1**  Outside 60-120 seconds | | |
| RESOURCES |
|  |