**MSE MS Thesis SACS Assessment Rubric**

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| **Outcome / Assessment** | **(1) Does Not Meet Expectations** | **(2) Meets Expectations** | **(3) Exceeds Expectations** |
| **(1) Clearly communicate scholarly research and results through a written thesis** | **Serious problems** exist, including any or all of the following: (1) numerous grammatical or spelling errors; (2) poor organization; and (3) **poor documentation** (citations, references, etc.). | **Adequate writing**, including the following: (1) few grammatical and spelling errors; (2) logical organization; and (3) **adequate documentation** (citations, references, etc.). | **Excellent writing**, including the following: (1) no grammatical and/or spelling errors; (2) reasoned and thoughtful organization; and (3) **good documentation** (citations, references, etc.). |
| **(2) Clearly communicate scholarly research and results through an oral presentation** | **Serious problems** exist, including any or all of the following: (1) delivers an unsatisfactory presentation on the topic; (2) fails to provide adequate coverage of the topic; and (3) if asked, provides **insufficient insight** regarding the subject matter. | Demonstrates **satisfactory** communication skills, including: (1) delivers a satisfactory presentation on the topic; (2) provides adequate coverage of the topic; and (3) if asked, provides **sufficient insight** regarding the subject matter. | Demonstrates **exceptional** communication skills, including: (1) delivers an excellent presentation on the topic; (2) provides good coverage of the topic; and (3) if asked, provides **comprehensive insight** regarding the subject matter. |
| **(3) Effectively analyze the literature to identify and evaluate important and related scholarly activities** | **Serious problems** exist, including the following: (1) fails to cite important literature and prior research in the topical area; and (2) if asked, demonstrates **little knowledge** of scholarly activities related to the subject matter. | Performs an **adequate** literature survey including: (1) cites some of the most important prior research regarding the topical area; and (2) if asked, demonstrates **sufficient knowledge** of scholarly activities related to the subject matter. | Performs a **comprehensive** literature survey including: (1) cites all of the most important prior research regarding the topical area; and (2) if asked, demonstrates **exceptional knowledge** of scholarly activities related to the subject matter. |
| **(4) Demonstrate critical thinking and apply modern experimental tools and theory to solve engineering or scientific problems** | **Serious problems** exist, including the following: (1) demonstrates little knowledge of the inner workings of the experimental engineering tools employed in the topical area; and (2) demonstrates **little understanding** of the role of theory and theoretical concepts in the topical area. | Demonstrates **adequate** critical thinking, including: (1) an understanding of the basic inner workings of experimental engineering tools employed in the topical area; and (2) **sufficient insight** into the role of theory and theoretical concepts in the topical area. | Demonstrates **excellent** critical thinking, including: (1) a mastery of the basic inner workings of experimental engineering tools employed in the topical area; and (2) **impressive understanding** regarding the role of theory and theoretical concepts in the topical area. |