George Mason University College of Education and Human Development Educational Psychology

EDEP 350 (001) – Perspectives on Achievement Motivation 3 credits, Spring 2023 Tuesday/Thursday 10:30 a.m. – 11:45 a.m. Krug Hall 253 – Fairfax Campus

Faculty

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Prerequisites/Corequisites

None

University Catalog Course Description

Focuses on theories and concepts of human achievement motivation; and examines strategies, techniques and interventions that promote and sustain motivation in formal and informal learning contexts.

Mason Core

EDEP 350 course fulfills the Mason Core Social and Behavioral Sciences requirement and addresses the following learning outcomes:

1. Explain how individuals, groups or institutions are influenced by contextual factors

2. Demonstrate awareness of changes in social and cultural constructs

3. Use appropriate methods and resources to apply social and behavioral science concepts, terminology, principles and theories in the analysis of significant human issues, past or present.

For more information please see Mason Core website, https://catalog.gmu.edu/mason-core/

Course Delivery Method

This course will be delivered using lecture, discussions, and small and large group activities. This course is structured around readings, reflections on readings, class projects, technology activities, and writing assignments. The course is technology-enhanced using Blackboard (<u>https://mymason.gmu.edu</u>). Students are responsible for any information posted on the course site.

Learner Outcomes or Objectives

This course is designed to enable students to do the following:

1. describe the important characteristics of historical and contemporary theories of motivation

2. discuss the motivational theories and concepts as they pertain to instructional design

3. produce appropriate strategies for enhancing learner motivation in light of motivational problems

- 4. describe ways of measuring the motivational effectiveness of instruction
- 5. develop an understanding of the role of motivation in their own learning and performance
- 6. develop a personal approach for enhancing motivation in themselves and others
- 7. understand the role of goals, emotions, and beliefs on learner motivation
- 8. explain how individuals are influenced by contextual factors
- 9. demonstrate awareness of changes in social and cultural constructs

10. use appropriate methods and resources to apply social and behavioral science concepts,

terminology, principles and theories in the analysis of significant human issues, past or present

11. develop and reinforce their critical thinking, problem solving, oral and writing skills

Professional Standards

Upon completion of this course, students will have met the following professional standards:

- **Standard 1.** Candidates will use their knowledge and skills to apply concepts, principles, and theories of learning, cognition, motivation, and development to analyze and design innovative educational activities in diverse applied settings.
- **Standard 4.** Candidates will demonstrate oral and written communication relevant to educational psychology, including knowledge and use of APA style and professional formats (e.g., oral presentations, poster presentations, article abstracts, literature reviews, research proposals, reports).
- **Standard 5.** Candidates will demonstrate professional dispositions relevant to educational psychology such as critical thinking, collaboration, interpersonal communication, intercultural competence, ethical leadership, professionalism, and technological skills.

Required Texts

Wentzel, K. (2021). *Motivating students to learn* (5th ed.). Routledge. https://doi.org/10.4324/9780429027963

Additional journal articles and book chapters will be made available electronically.

Recommended Texts

American Psychological Association. (2020). *Publication manual of the American Psychological Association 2020: The official guide to APA style* (7th ed.). American Psychological Association.

Course Performance Evaluation

Students are expected to submit all assignments on time in the manner outlined by the instructor (e.g., Blackboard, VIA, hard copy).

Attendance and Participation (10%)

Because of the importance of lecture and classroom discussions to students' total learning experience, each student is expected to come to class on time and participate in class discussions and activities. Assigned readings are to be completed before class. Attendance, punctuality, preparation, and active contribution to small and large group activities are essential. In the event students miss a class, the professor should be notified, preferably in advance, and the student is responsible for any assignments and materials passed out or discussed that day. (See rubric for attendance and participation in Appendix A).

Reflections and Mini-Assignments (10%)

Students are expected to post weekly brief reflections on the assigned course readings and or respond to specific mini-assignment prompts from the instructor on Blackboard. Students are encouraged to use these weekly reflections to raise questions and make connections between the course content and their own experiences. *Reflections/mini-assignments are to be posted on Blackboard by midnight on the DAY prior to each class*. Students may miss two reflections/mini-assignments without penalty.

Exams (10% each—30% Total)

Three exams will be given, as indicated in the course schedule, assessing material discussed in class and in course readings. These exams may include multiple choice, short answer questions, and essay/case analysis questions. Make-up exams will only be scheduled for valid excused absences. Prior notification is required.

Motivation Self-Change Project (25%)

Before attempting to change or support the motivation of others, it is important to try out and understand how the various motivation theories and concepts apply to oneself. For the Motivation Self-Change Project, students are expected to identify a personal goal that can be accomplished in about a two week period. Based on the identified goal, students will design a motivational intervention to administer to themselves, recording at least a brief paragraph reflection on the progress made (or not made) toward the identified goal on a minimum of 10 of these 14 days of the intervention. For this assignment, students are expected to submit: (1) The motivation diary (and evidence of any collected data), and (2) a theoretically-grounded report summarizing and analyzing the intervention. See Appendix B for complete guidelines and rubric.

Motivation Autobiography (25%)

Students think more deeply about material, and learn it better, when it is personally meaningful. This takes effort and exploration. To facilitate this process, each student is to write a motivation autobiography identifying (a) who they are today and who/what have been the major motivational influences in their life to this point (both good and bad), (b) where the student would like to go (e.g., one area in their life they would like to change/improve), and (c) how they will accomplish this goal (cite specific strategies to accomplish this change). More detailed guidelines and rubric are provided in Appendix C.

Grading

Students' final grade for this class will be based on the following:

A + = 98 - 100%	A = 93 - 97.99%	A = 90 - 92.99%
B + = 88 - 89.99%	B = 83 - 87.99%	B = 80 - 82.99%
C = 70 - 79.99%	D = 60 - 69.99%	F < 60%

Professional Dispositions

See https://cehd.gmu.edu/students/polices-procedures/

Core Values Commitment

The College of Education and Human Development is committed to collaboration, ethical leadership, innovation, research-based practice, and social justice. Students are expected to adhere to these principles: <u>http://cehd.gmu.edu/values/</u>.

GMU Policies and Resources for Students

Policies

- Students must adhere to the guidelines of the Mason Honor Code (see https://catalog.gmu.edu/policies/honor-code-system/).
- Students must follow the university policy for Responsible Use of Computing (see https://universitypolicy.gmu.edu/policies/responsible-use-of-computing/).
- Students are responsible for the content of university communications sent to their Mason email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program will be sent to students **solely** through their Mason email account.
- Students with disabilities who seek accommodations in a course must be registered with George Mason University Disability Services. Approved accommodations will begin at the time the written letter from Disability Services is received by the instructor (see https://ds.gmu.edu/).
- Students must silence all sound emitting devices during class unless otherwise authorized by the instructor.

Campus Resources

- Support for submission of assignments to VIA should be directed to <u>viahelp@gmu.edu</u> or <u>https://cehd.gmu.edu/aero/assessments</u>. Questions or concerns regarding use of Blackboard should be directed to <u>https://its.gmu.edu/knowledge-base/blackboard-instructional-technology-support-for-students/.</u>
- For information on student support resources on campus, see https://ctfe.gmu.edu/teaching/student-support-resources-on-campus

Notice of mandatory reporting of sexual assault, sexual harassment, interpersonal violence, and stalking:

As a faculty member, I am designated as a "Non-Confidential Employee," and must report all disclosures of sexual assault, sexual harassment, interpersonal violence, and stalking to Mason's Title IX Coordinator per <u>University Policy 1202</u>. If you wish to speak with someone confidentially, please contact one of Mason's confidential resources, such as <u>Student Support</u> and <u>Advocacy Center</u> (SSAC) at 703-380-1434 or <u>Counseling and Psychological</u> <u>Services</u> (CAPS) at 703-993-2380. You may also seek assistance or support measures from Mason's Title IX Coordinator by calling 703-993-8730, or emailing <u>titleix@gmu.edu</u>.

For additional information on the College of Education and Human Development, please visit our website <u>https://cehd.gmu.edu/students/</u>.

ADDITIONAL CLASS POLICIES

Paper Format

All papers submitted should adhere to the following guidelines:

- 1 inch margins on all sides, double-spaced, 12-point Times New Roman font.
- Separate title page including the following: title, name, date, professor, course number.
- Formatted in APA style and proofread for spelling, grammar, and clarity errors.

Late Assignments

Unless otherwise indicated, assignments are due at the start of class on the assigned due date and are to be posted on Blackboard. Late assignments will be marked down by half a letter grade for each day the assignment is late.

Electronic Device Use in Class

During class time, please refrain from checking email or conducting activities on the computer, cell phone or other electronic device that are not directly related to the class session.

Class Environment

Help to foster a positive learning environment by respecting the opinions and contributions of others. Also, cell phones should be turned off or put on silent mode so as to not affect the learning of those around you.

Class Schedule

Week & Topic	Assigned Readings	Work due
Week 1: Course overview, history and introduction to	Tuesday (1/24):Wentzel (2021) CH 1 (pp. 1–14) *Youdo not need to read chapter 1 before class, we will review itin class*	Weekly reflection 1
motivation	science perspective on the role of student motivation in learning and teaching contexts. <i>Journal of Educational Psychology</i> , <i>95</i> , 667–686.	
	motivation research: Seeking cultural relevance. <i>Educational Psychologist, 53,</i> 131–144. What is it that I want to do?	
<u>Week 2</u> : Goal content,	Tuesday (1/31): \square Wentzel (2021) CH 2 (only pp. 17–30)	Weekly reflection 2
goal setting, and self-regulation	Bronk, K. C., Hill, P. L., Lapsley, D. K., Talib, T. L., & Finch, H. (2009). Purpose, hope, and life satisfaction in three age groups. <i>The Journal of Positive Psychology</i> , 4(6), 500–510.	
	Thursday (2/2): December 2019 Koo, M., & Fishbach, A. (2008). Dynamics of self-regulation: How (un)accomplished goal actions affect motivation. <i>Journal of Personality and Social</i> <i>Psychology</i> , 94, 183–195.	
	Cleary, T. J., & Zimmerman, B. J. (2004) Self- regulation empowerment program: A school-based program to enhance self-regulated and self-motivated cycles of student learning. <i>Psychology in the Schools</i> , <i>41</i> , 537–550.	
<u>Week 3</u> : Goal orientations and goal structures	Tuesday (2/7):Wentzel (2021) CH 2 (only pp. 30–44)	Weekly reflection 3
	classrooms. Elementary School Journal, 102, 35-58.	

Week 4:Goalorientations andgoal structures(cont.)Extrinsic goalsand incentivesWeek 5:Extrinsic goalsand incentives(cont.)	Tuesday (2/14):Linnenbrink-Garcia, L., Tyson, D. F., & Patall, E. A. (2008). When are achievement goal orientations beneficial for academic achievement? A closer look at moderating factors. International Review of Social Psychology, 21, 19–70.What am I supposed to do?Thursday (2/16):Wentzel (2021) CH 3 (pp. 53–80)Tuesday (2/21):Henderlong, J., & Lepper, M. R. (2002). The effects of praise on children's intrinsic motivation: A review and synthesis. Psychological Bulletin, 128(5), 774–795.Thursday (2/23):Exam #1	Weekly reflection 4
<u>Week 6</u> : Intrinsic motivation: Flow, Self- Determination Theory Values: Expectancy- Value Theory	Is this important and enjoyable to do? <u>Tuesday (2/28)</u> : Wentzel (2021) CH 4 (only pp. 87–98) Reeve, J., & Jang, H. (2006). What teachers say and do to support students' autonomy during a learning activity. <i>Journal of Educational Psychology</i> , 98(1), 209–218. <u>Thursday (3/2)</u> : Wentzel (2021) CH 4 (only pp. 99–115) Harackiewicz, J. M., Rozek, C. S., Hulleman, C. S., & Hyde, J. S. (2012). Helping parents to motivate adolescents in mathematics and science: An experimental test of a utility-value intervention. <i>Psychological Science</i> , 23(8), 1–8.	Weekly reflection 5
<u>Week 7</u> : Self-efficacy/ competence beliefs, attribution theory, and implicit theories of intelligence	Can I do it? What causes success and failure? <u>Tuesday (3/7)</u> : Wentzel (2021) CH 6 (only pp. 155–171) <u>Thursday (3/9)</u> : Butz, A. R., & Usher, E. L. (2015). Salient sources of early adolescents' self-efficacy in two domains. <i>Contemporary Educational Psychology, 42,</i> 49–61. Wu, J., & McLellan, R. (2020). Same mindset, different goals and motivational frameworks: Profiles of mindset- based meaning systems. <i>Contemporary Educational</i> <i>Psychology, 62,</i> 1–13.	Weekly reflection 6
	<u>3/13–3/19</u> Spring Break	

<u>Week 8</u> : Supporting students' confidence	 <u>Tuesday (3/21)</u>: ⁽¹⁾ Wentzel (2021) CH 6 (only pp. 171–188) Paunesku, D., Walton, G., Romero, C., Smith, E., Yeager, D., & Dweck, C. (2015). Mind-set interventions are a scalable treatment for academic underachievement. <i>Psychological Science, 26</i>(6), 784–793. <u>Thursday (3/23)</u>: ⁽¹⁾ Huang, X., Mayer, R., & Usher, E. (2020). Better together: Effects of four self-efficacy- building strategies on online statistical learning. <i>Contemporary Educational Psychology, 63,</i> 1–14. Dryden, R. P., Perry, R. P., Hamm, J. M., Chipperfield, J. G., Clifton, R. A., Parker, P. C., & Krylova, M. V. (2021). An attribution-based motivation treatment to assist first-generation college students reframe academic setbacks. <i>Contemporary Educational Psychology, 64,</i> 1–14. 	Weekly reflection 7
Week 9:	How do I feel?	Weekly
Emotion and motivation	<u>Tuesday (3/28)</u> : Pekrun, R., & Linnenbrink-Garcia, L. (2012). Academic emotions and student engagement. In S. L. Christenson, A. L. Reschly, & C. Wylie (Eds.), <i>Handbook of research on student engagement</i> (pp. 259– 282). Springer Science + Business Media. <u>————————————————————————————————————</u>	reflection 8
<u>Week 10</u> :	<u>Tuesday (4/4)</u> : Exam #2	
Relationships and classroom community: Teachers and peers	Does anybody care?What social structures support my motivation?Thursday (4/6):Image: Wentzel (2021) CH 7 (pp. 195–223)Choose one of the following:Image: Rogers, T., & Feller, A. (2016). Discouraged by peerexcellence: Exposure to exemplary peer performance causesquitting. Psychological Science, 1–10.Image: Orginal Matter Science, 1–10.Image: Orginal Matter Science, 1–10.Image: Orginal Matter Science, 331(6023), 1447–1451.	

Week 11: Relationships and classroom community: Teachers and peers (continued)	 <u>Tuesday (4/11)</u>: ^[]] Kumar, R., Zusho, A., & Bondie, R. (2018). Weaving cultural relevance and achievement motivation into inclusive classroom cultures. <i>Educational Psychologist, 53,</i> 78–96. <u>Thursday (4/13)</u>: ^[]] Graham, S. (2018). Race/ethnicity and social adjustment of adolescents: How (not if) school diversity matters. <i>Educational Psychologist, 53,</i> 64–77. ^[]] Gray, D. L., Hope, E. C. & Matthews, J. S. (2018). Black and belonging at school: A case for interpersonal, instructional, and institutional opportunity structures. <i>Educational Psychologist, 53,</i> 97–113. 	Weekly reflection 9
Week 12: Family and culture	 <u>Tuesday (4/18)</u>: ^[] Wentzel (2021) CH 10 (pp. 304–334) <u>Thursday (4/20)</u>: ^[] Hoover-Dempsey, K. V., Walker, J. M. T., Sandler, H. M., Whetsel, D., Green, C. L., Wilkins, A. S., & Closson, K. (2005). Why do parents become involved? Research findings and implications. <i>The Elementary School Journal, 106, (2),</i> 105–129. ^[] Urdan, T., Solek, M., & Schoenfelder, E. (2007). Students' perceptions of family influences on their academic motivation: A qualitative analysis. <i>European Journal of Psychology of Education,</i> 22(1), 7–21. 	Motivation self-change project due
Week 13: Special topics	Tuesday (4/25): TBD	Weekly reflection 10
Week 14: Conclusions	Tuesday (5/2): Wentzel (2021) CH 12 (pp. 380–390) ====================================	Motivation autobiography due
Exam period	<u>Tuesday (5/16)</u> : Exam #3	

Appendix A

Attendance & Participation Rubric (10%)

Student participation is imperative to student learning and a successful class. The following rubric outlines how student participation scores will be determined in this course. All students are expected to demonstrate specific characteristics and actions throughout the semester. The quality and quantity of these actions will determine the points assigned for participation.

Students are expected to:

- a. Be punctual, present (in mind and body), and well prepared for class.
- b. Participate fully in class activities and assignments take an active part in small and large group discussions (without dominating the conversations) and pay attention to class lectures.
- c. Make insightful comments, which are informed by required readings and demonstrate reflection on those readings. Specifically, students should come to class with questions, comments, and thoughts on the current readings.
- d. Treat class activities, group discussions, and class discussions as important components of the course, showing respect for fellow classmates and the course material.

Each of these criteria will be assessed on a 5-point scale.

- 5 = Student *consistently* demonstrated the criterion throughout the semester.
- 4 = Student *frequently* demonstrated the criterion throughout the semester.
- 3 = Student *intermittently* demonstrated the criterion throughout the semester.
- 2 = Student *rarely* demonstrated the criterion throughout the semester.
- 1 = Student *did not* demonstrate the criterion throughout the semester.

Your participation grade will be calculated as the sum of points for each criterion.

Criterion	Score
a)	
b)	
c)	
d)	
TOTAL	

Appendix **B**

Motivation Self-Change Project (25%)

Before attempting to change or support the motivation of others, it is important to try out and understand how the various motivation theories and concepts apply to oneself. For this assignment, students are expected to identify a personal goal that can be accomplished in about a two week period. Ideally, the goal represents a significant challenge– perhaps even something the student has attempted on multiple occasions. Based on the identified goal, each student will design a motivational intervention to self-administer. On a minimum of 10 of the 14 days during the intervention period, record at least a brief paragraph reflecting on the progress made (or not made) toward the identified goal. Data collection is encouraged!

For this assignment, students are expected to submit:

- 1. The motivation diary (and evidence of collected data)
- 2. A theoretically-grounded report in which the student
 - a. summarizes the goal, the intervention, and the results of the intervention, and then
 - b. analyzes how successful the intervention was, discussing the reasons for its success/failure and specific actions that could make it stronger next time,
 - c. discusses how the intervention could be used in future personal or professional endeavors.

Requirements:

- Refer to and define relevant motivation theories and concepts, citing appropriate sources from the course reading list or from readings outside of the course (note: readings from outside of the course reading list are not required).
- The length of the report is up to the student but it would be difficult to adequately complete this assignment in fewer than 5 written pages.
- The motivation diary should contain at least 10 entries.
- Use APA style throughout the report. APA style is not necessary for the motivation diary entries.

Motivation Self Change Project

Criteria	Outstanding (4)	Competent (3)	Minimal (2)	Unsatisfactory (1)
Content				
Motivation Diary	Motivation diary included with 10 or more entries documenting progress toward the identified goal	Motivation diary included with 8-9 entries documenting progress toward the identified goal	Motivation diary included with fewer than 8 entries	No motivation diary submitted
 Summary Identify the goal Describe the intervention Describe the results of the intervention 	Summary fully addresses all 3 criteria. Goal is clearly stated, intervention is well described, and results of intervention are well-articulated	Summary addressed all 3 criteria with some minor weaknesses. The goal of the intervention is stated, the intervention and results are described	Significant weaknesses in 1 or 2 criteria	Significant weaknesses in all criteria; summary is unacceptable
 Analysis Address how successful the intervention was including reasons for its success/failure ospecific actions that would strength it and why they would be effective 	Analysis is detailed and thorough addressing how and why it was successful (or not), as well specific, justified, actions that could be used to strength it	Analysis is provided with minor weaknesses in how and why it was successful (or not); actions to strength it are provided	Analysis of intervention is provided but lacks sufficient detail and depth in explaining why it was successful (or not); actions to strength it are limited	No analysis of the intervention is provided
 Discussion of Relevant Course Theories and Concepts Discuss relevant theories and concepts from the course Provide definitions of concepts/theories discussed 	Relevant theories concepts are discussed with an appropriate level of detail. Concepts/theories are clearly defined and discussed	Relevant theories/concepts are discussed with few instances in which more, or less, detail is needed and or in inaccuracies in understanding of theories/ concepts	Multiple instances in which discussion of relevant theories/ concepts are not discussed in sufficient detail and or numerous inaccuracies in understanding of theories/ concepts	Relevant theories/concepts from class were not discussed
 Implications Discusses how the intervention could be used in future personal or professional endeavors 	Discussion of implications for future personal and professional endeavors is thoughtfully discussed with specific examples	Discussion of implications for future personal and professional endeavors is addressed but some additional elaboration and or examples are needed	Significant weaknesses in the discussion of implications for future personal and professional endeavors; Few were identified and/or were inappropriate	Report does not address how the intervention relates to future personal or professional endeavors

	Outstanding (1)	Competent (.75)	Minimal (.5)	Unsatisfactory (.25)
Writing Style and Technical Merit (spelling, grammar, typographical errors)	Paper is coherent, concise and well-structured with a clear purpose; error free	Paper is coherent, concise and well-structured with a clear purpose and few technical errors	Paper conveys the main points of the topic but additional polish is needed; Several errors or incoherent sentences	Paper is incoherent and/or overly wordy with little structure or purpose; difficult to appreciate the content; Numerous technical errors
Citation of sources, APA style, and paper guidelines	Appropriate citation of sources and use of APA style and paper guidelines	A few missing citations and or instances of incorrect formatting and style	Several missing citations and or several instances of incorrect formatting and style	Lack of citations or use of APA style

Appendix C

Motivation Autobiography (25%)

Students think more deeply about material, and learn it better, when it is personally meaningful. This takes effort and exploration. To facilitate this process, your task is to write a motivation autobiography. In it, you should identify (a) who you are today and who/what have been the major motivational influences in your life to this point (both good and bad), including discussion of specific contextual factors and social and cultural contexts, (b) where you would like to go (e.g., an area in your life you would like to change/improve), and (c) how you will accomplish this goal (cite specific strategies to accomplish this change).

Note that Part A is the major part of the assignment, and should comprise 80-90% of the text. For Part B and C, you are welcome to refer to what worked (or did not work) for you in the Motivation Self-Change Project. Through this assignment and other class exercises, you should appreciate the powerful role that motivation has had, does have, and will have in your life as well as develop strategies for motivating yourself and others.

This assignment will require time and effort. Do not wait until the last two weeks of the semester to start. It will be much easier to assemble your connections between your experiences and course material throughout the entire semester. You are encouraged to jot down ideas throughout the semester. This will assist in identifying a list of topics and connections relevant to your own development.

Keep in mind that this is essentially a life story from a motivational perspective. If it is just an autobiography or just a review of motivational theories, that is not sufficient. It should be a review of major life events and motivators that is integrated with motivational topics covered this semester. Please see the instructor with questions.

Requirements:

- Cite *at least* 5 research articles/studies (over and above the course text and notes) to support the discussion of major motivational influences in your life and/or goals for the future. These can be from class readings or outside reading on similar motivation topics.
- The length of the autobiography is up to you, but it would be difficult to adequately complete this assignment in fewer than 10 written pages.
- Use APA style throughout the paper.

Motivation Autobiography

Criteria	Outstanding (4)	Competent (3)	Minimal (2)	Unsatisfactory (1)
Content				
Self-Description/Story	Detailed and thorough account of one's development is provided describing how the student progressed to who he/she is today	Account of development is provided including a description of how the student progressed to who he/she is today	Account of development is provided but does not provide sufficient detail to understand how the student progressed to who he/she is today	Account of development is not provided
Identification of major life motivators	Several major life motivators are identified with reference to multiple relevant motivational theories/concepts	Major life motivators are identified with reference to relevant motivational theories/concepts; few omissions	Major life motivators are identified with little reference to relevant motivational theories/concepts; several omissions	Major life motivators are not identified
Analysis of motivators from a motivation perspective	Analysis is detailed and thorough addressing one's development from a motivation perspective. Relevant theories concepts are discussed with an appropriate level of detail. Concepts/theories are clearly defined and discussed	Analysis is provided from a motivation perspective minor weaknesses theories/concepts discussed; few instances in which more, or less, detail is needed and or in inaccuracies in understanding of theories/ concepts	Analysis is provided from a motivation perspective but lacks sufficient detail and depth; numerous instances in which more detail is needed and or in inaccuracies in understanding of theories/ concepts	Analysis of one's development is provided from a motivational perspective is not provided
Discussion of future plans and steps to accomplish those plans	Future plans, and steps to accomplish them are clearly described	Future plans, and steps to accomplish them are described but some additional elaboration and or examples are needed	Significant weaknesses in the description of future plans and or and steps to accomplish them; Few were identified and/or were inappropriate	Report does not address future plans and steps to accomplish them
	Outstanding (1)	Competent (.75)	Minimal (.5)	Unsatisfactory (.25)
Writing Style and Technical Merit (spelling, grammar, typographical errors)	Paper is coherent, concise and well-structured with a clear purpose; error free	Paper is coherent, concise and well-structured with a clear purpose and few technical errors	Paper conveys the main points of the topic but additional polish is needed; Several errors or incoherent sentences	Paper is incoherent and/or overly wordy with little structure or purpose; difficult to appreciate the content; Numerous technical errors
Citation of sources, APA style, and paper guidelines	Appropriate citation of sources and use of APA style and paper guidelines	A few missing citations and or instances of incorrect formatting and style	Several missing citations and or several instances of incorrect formatting and style	Lack of citations or use of APA style

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Use of Peer-Reviewed Research	Contains references to 5 or more relevant peer-reviewed articles	Contains references to at least 5 peer-reviewed articles, the majority of which are relevant	Contains references to 5 peer- reviewed articles but most are irrelevant	Does not include at least 5 peer peer-reviewed articles
Discussion of the Motivation Literature	Clearly spoken, topic-specific jargon are defined, does not rely on quotes from papers; includes quotes strategically where appropriate	Most topic-specific jargon are defined OR inclusion of some lengthy or inappropriate quotes	Overuse of jargon AND quotes that are lengthy or inappropriate	Fragmented and unclear discussion; over reliance on quotes interrupts the flow of the content and leaves little room for student's synthesis