

# Attention & Emotion in Tactical Populations

APK 6417 | Class 28385 | 3 Credits | FALL 2025

Connect with HHP

f

@UFHHP @ufhhp



@UF\_HHP

APK LinkedIn

# **Course Info**

INSTRUCTOR Derek T.Y. Mann, PhD.

Office: Virtual

Office Phone: 352.262.1264 Email: dmann5@ufl.edu

Preferred Method of Contact: dmann5@ufl.edu

**OFFICE HOURS** Excluding UF Holidays:

Tuesday: 1100am-100pm Wednesday: 930-1130am

Available by appointment when scheduled at least 1 business day

in advance.

COURSE ACCESS Access course through Canvas on UF e-Learning

https://elearning.ufl.edu/ & the *Canvas* mobile app by *Instructure* 

#### **COURSE DESCRIPTION**

This course addresses the fundamental links between emotion and attention and the role they play, influencing motivation, behavior, decision-making, and skill acquisition and execution for elite performance.

#### **COURSE OVERVIEW**

**PET 5936 – Attention and Emotion in Tactical Populations** - Over time, humans have proven to be extremely adaptable and resilient even in the face of the most extreme situations. However, to perform under pressure, when it matters most, success or failure is often the result of our cognitive-affective abilities to meet the demands faced. In other words, what we think and feel directly influences what we attend to and how we act. The ability to direct attention to what matters in the moment and the ability to focus effectively is an essential prerequisite of highly skilled performance. Understanding theory and translating theory to practice is fundamental for tactical athletes, instructors, and practitioners alike. In this course we will explore emotion, the cognitive underpinnings of attention, the interplay of emotion and attention, and how attention affects skill acquisition and skilled motor performance. Lastly, we will explore several strategies for regulating emotion and developing world class attention.

#### PREREQUISITE KNOWLEDGE AND SKILLS

Students must hold Graduate Student classification based on the UF Registrar's class student Classifications system (https://catalog.ufl.edu/UGRD/academic-regulations/student-classifications/). Or, students must acquire instructor approval.

#### **REQUIRED AND RECOMMENDED MATERIALS**

#### Required:

Goleman, D. (2015). Focus: The Hidden Driver of Excellence. ISBN: 978-0-06-211496-9

Additional materials will be assigned and available through the UF E- Learning Canvas course shell.

#### **COURSE FORMAT**

The course is organized into 8 modules. Within each module, students will have the opportunity to engage in course content and graded learning activities. The learning activities are designed to catalyze student achievement of the following course goals and objectives.

#### **COURSE LEARNING OBJECTIVES:**

#### 1. To facilitate opportunities for student understanding of:

- the scientific evidence and theoretical perspectives that provide insight into how emotion and attention influence the performance of human movement and decision making in tactically diverse conditions and extreme environments.
- the interdependence and influence of various emotions on attention, motivation, and human behavior, including judgements, reasoning, and decision-making.
- perception-action coupling.
- commonly utilized psychological strategies for enhancing emotion regulation and attention control.

#### 2. To facilitate student's skill development in:

- retrieving, evaluating quality, and identifying applicability of emerging scientific literature in cognitive and affective psychology.
- engaging in critical, constructive, and diplomatic academic discussions of relevant psychology topics and scientific literature.
- effective written communication of scientific knowledge in performance psychology.
- the application of attention control training and emotion regulation strategies.

# **Course & University Policies**

#### **UF STUDENT COMPUTING REQUIREMENTS:**

As a 100% online course and as per the UF student computing requirements, "access to and on-going use of a computer is required for all students." UF does not recommend students relying on/regularly using tablet devices, mobile phones or Chromebook devices as their primary computer as it may not be compatible with specific platforms used in this course or UF. Access to fast, secure Wi-Fi will be necessary for this course. If a

student is an area with limited wi-fi access, UF students can access **eduroam** for free with their GatorLink log-in credentials.

#### How to connect to eduroam:

- 1. If you can get a Wi-Fi signal at any of the eduroam locations (see below) and your mobile device (laptop, smartphone, or tablet) has already been configured for eduroam, then you will automatically connect.
- 2. Otherwise, follow the instructions for connecting here.
- 3. There are more than 100 Wi-Fi hotspots in Florida, including several state university campuses and community colleges. You don't have to sit in a car--many locations have open spaces and communal rooms available so you can get online while socially distancing and following CDC guidelines in an air-conditioned space. Also, in Florida all of the UF/IFAS Research and Education Centers (REC) are equipped with eduroam, so if you live in a rural area of your county you can visit an REC to securely watch course videos and take care of your academic needs. Here's a link to all the eduroam sites in the U.S.:

If you have any problems connecting to eduroam you can call (352-392-HELP/4357) or <u>email</u> the UF Computing Help Desk.

The UF Computing Help Desk is available to assist students with technical issues. If you have any issues accessing the online course material, you must contact the UF Computing Help Desk immediately for assistance and obtain a case number. I will not accept late assignments, or change any course dates, due to technology difficulties if you do not have a case number prior to the due date for the assignment.

Other resources are available <u>here</u>.

#### **ATTENDANCE POLICY**

Requirements for class attendance (participation) and make-up exams, assignments, and other work in this course are consistent with university policies

https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx.

#### PERSONAL CONDUCT & ACADEMIC INTEGRITY

Students are expected to exhibit behaviors that reflect highly upon themselves and the University. UF students are bound by The Honor Pledge which states:

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code.

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

The <u>Student Honor Code and Conduct Code</u> (<u>Regulation 4.040</u>) specifies a number of behaviors that are in violation of this code and the possible sanctions. All potential violations of the code will be reported to Student Conduct and Conflict Resolution. If a student is found responsible for an Honor Code violation in this course, the instructor will enter a Grade Adjustment sanction which may be up to or including failure of the course. Students are obliged to report any condition that facilitates academic misconduct to appropriate personnel. If

you have any questions or concerns, please consult the instructor, graduate assistant, or teaching assistant in this class.

#### APPROPRIATE USE OF AI TECHNOLOGY

The UF Honor Code strictly prohibits <u>cheating</u>. The use of any materials or resources prepared by another person or Entity (inclusive of generative AI tools) without the other person or Entity's express consent or without proper attribution to the other person or Entity is considered <u>cheating</u>. Additionally, the use of any materials or resources, through any medium, which the Faculty / Instructor has not given express permission to use and that may confer an academic benefit to a student, constitutes <u>cheating</u>.

#### **COPYRIGHT STATEMENT**

The materials used in this course are copyrighted. Course content is the intellectual property of Garrett Beatty, and property of the University of Florida. Course content may not be duplicated in any format without explicit permission from the College of Health and Human Performance, UF, and Garrett Beatty. Course content may not be used for any commercial purposes. Individuals violating this policy may be subject to disciplinary action or legal litigation from the University and other injured parties.

#### **EXAM MAKE-UP POLICY**

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies. Unless excused based on University policies (https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx), missed examinations and non-submitted or late assignments will be not be evaluated and will be assigned a grade of 0.

Obtaining approval for make-up exams or make-up assignments is the responsibility of the student. Students with medical or emergency related circumstances should utilize the UF Care Team's Contact My Instructor service (https://care.dso.ufl.edu/instructor-notifications/) provided by the UF Dean of Students Office.

Any non-medical or emergency related circumstances require students to submit a written request explaining why an exception is being requested. The written request must include official documentation that provides proof that the missed coursework was due to acceptable reasons outlined by University policy.

#### **ACCOMMODATING STUDENTS WITH DISABILITIES**

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting their Get Started page at <a href="https://disability.ufl.edu/students/get-started/">https://disability.ufl.edu/students/get-started/</a>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

#### **COURSE EVALUATIONS**

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online. Students can complete evaluations in three ways:

- The email they receive from GatorEvals,
- 2. Their Canvas course menu under GatorEvals, or
- 3. The central portal at bluera.com

Guidance on how to give feedback in a professional and respectful manner is available here. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, or in their Canvas course menu under GatorEvals, you can also access the course evaluations here. Summaries of course evaluation results are available to students and can be found here.

# **Getting Help**

#### **HEALTH & WELLNESS**

- U Matter, We Care: If you or someone you know is in distress, please contact <u>umatter@ufl.edu</u>, 352-392-1575, or visit <u>U Matter, We Care website</u> to refer or report a concern and a team member will reach out to the student in distress.
- **Counseling and Wellness Center**: Visit the <u>Counseling and Wellness Center website</u> or call 352-392-1575 for information on crisis services as well as non-crisis services.
- **Student Health Care Center**: Call 352-392-1161 for 24/7 information to help you find the care you need, or visit the <u>Student Health Care Center website</u>.
- *University Police Department*: Visit <u>UF Police Department website</u> or call 352-392-1111 (or 9-1-1 for emergencies).
- UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; or visit the <u>UF Health</u> <u>Emergency Room and Trauma Center website</u>.
- GatorWell Health Promotion Services: For prevention services focused on optimal wellbeing, including Wellness Coaching for Academic Success, visit the <u>GatorWell website</u> or call 352-273-4450.

#### **ACADEMIC RESOURCES**

- **E-learning technical support**: Contact the <u>UF Computing Help Desk</u> at 352-392-4357 or via e-mail at helpdesk@ufl.edu.
- <u>Career Connections Center</u>: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.
- <u>Library Support</u>: Various ways to receive assistance with respect to using the libraries or finding resources.
- <u>Teaching Center</u>: Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.
- Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.
- **Student Complaints & Grievances**: Students are encouraged to communicate first with the involved person(s), but <u>here</u> is more information on the appropriate reporting process.
- Academic Policies and Campus Resources

#### **APK ADMINISTRATORS**

For suggestions or concerns related to APK courses or programming, please reach out to any of the following:

- Dr. David Vaillancourt (he/him), APK Department Chair, vcourt@ufl.edu
- Dr. Demetra Christou (she/her), APK Department Vice Chair, ddchristou@hhp.ufl.edu
- Dr. Steve Coombes (he/him), APK Graduate Coordinator, scoombes@ufl.edu

# **Grading**

Student learning will be evaluated through contribution to the Yellowdig online community, guided course discussions, a book review, 2 case study assignments, and 2 exams. Specific assignment details are be provided on the course website https://lss.at.ufl.edu/.

• Yellowdig [Learning Community] - 10%: Yellowdig is meant to be an information venue for the class to share information and thoughts relevant to the class material and allow us to create a sense of community while reflecting on and applying what you are learning in the course. Details are provided in Canvas. Students are expected to engage in Yellowdig weekly and meet the weekly points minimum.

# Criteria for Yellowdig

Points for the Yellowdig assignment are accrued throughout the semester and derived from engagement in the Yellowdig community on a weekly basis. The weekly point goal is 1,000 points, but students can earn up to 1,300 points per week. Each week the goal should be to maximize the point earning goal. Engagement can consist of asking questions related to the course, answering peer's questions, creating, and engaging in your own debates, sharing media and commentary as it relates to the course.

• Quora [Online Discussion] - Weeks 2, 4, 6, 9, 12, & 16; 10%. A discussion question will be posted periodically, throughout the term to Canvas that will challenge your ability to think critically and communicate in written form. Your entries should be thoughtful and articulate and should demonstrate your ability to apply course content. Responses to the discussion post should be no less than 500 words and should be posted on Canvas each Wednesday of the assigned week by 11:59pm EST. Do not summarize the course contents, instead present us with your thoughts and reactions and use course content to support, with evidence your thoughts and reactions. You must also respond to two of your classmates' posts no later than Sunday of the week assigned by 11:59pm EST. All responses must be done so with respect and decorum. Your discussion post should be free of major errors in grammar, spelling, and punctuation.

#### **Grading Criteria for Quora**

- 1. The initial post is an original one- to two-paragraph response to the instructor-posted question.
- 2. Initial posting is completed by 11:59 pm on the Wednesday the Quora is created.
- 3. Two additional posts are completed by 11:59 on Sunday of the week the Quora is created. Each post is in response to other students' original entries that comment on and advance the posts of others.
- 4. Posts are substantive, present your own ideas and use references where appropriate to support and advance ideas. Equally build on the posts of others, or asks questions to further the discussion (i.e., postings don't just give praise).
- 5. Posts are supported by relevant sources and are properly referenced.
- 6. Posts are clearly written with proper spelling and grammar.
- 7. All questions posed by the instructor and/or fellow classmates are answered in a timely manner (i.e., within 2 weeks of the beginning of the forum)

With the above criteria in mind, scores for each online discussion will be assigned as follows:

10 points	fully meets all criteria
8 points	fully meets Criterion 1, and four to seven of Criteria 2-8
6 points	fully meets Criterion 1, and one to four of Criteria 2-8
4 points	fully meets Criterion 1
0	Does not meet Criterion 1

• Focus: The Hidden Driver of Excellence [Book Review] Week 14; 20%. You be will required to write a book review from the required book by Daniel Goleman, Focus: The Hidden Driver of Excellence. The goal here is to reflect on the writings of Goleman and consider how his work relates to the emotion-attention literature. Additional information and guidelines are available within the Assignments content area.

**Grading Criteria for Book Review** 

Element	Met	Partially Met	Not Met
Q#1: Summary & Analysis (25 points)	Summary & Analysis is sufficiently detailed and includes strengths and weaknesses and personal reactions. Citations are included to support the response.	Summary & Analysis is partially detailed and includes strengths and weaknesses and personal reactions. At least one citation is included to support the response.	Summary & Analysis is not included nor includes strengths and weaknesses or personal reactions and/or no citations are included.
Q #2: Passage Summary (20 points)	3 - 5 specific passages that have had the greatest impact on you are identified and sufficiently detailed. Citations are included to support the response.	3 - 5 specific passages that have had the greatest impact on you are identified and partially detailed. At least one citation is included to support the response.	3 - 5 specific passages that have had the greatest impact on you have not been identified or they are not detailed and no citations are included.
Q #3: Personal Reflection (15 points)	You have sufficiently identified why these passages have had an impact on you. Citations are included to support the response.	You have partially identified why these passages have had an impact on you. At least one citation is included to support the response.	You have not sufficiently identified why these passages have had an impact on you and no citations are included.
Q #4: Theory to Practice (25 points)	You have sufficiently connected each passage to a theory addressed throughout the course	You have partially connected each passage to a theory addressed throughout	You have not adequately connected each passage to a theory addressed

	explained in detail. Citations are included to support the response.	the course. At least one citation is included to support the response.	throughout the course. Citations are not included to support the response.
Q #5: Application (10 points)	You have sufficiently identified how you will apply these principles to your practice or coaching	You have partially identified how you will apply these principles to your practice or coaching	Application to practice or coaching is not discussed.
APA Style (5 point)	Citations are included and written in correct APA style.	Citations are included. There are some minor APA style errors.	Citations are not included and/or there are numerous APA style errors.

• Putting it Together [Case Study] Weeks 6 & 16; 30%. A case study will be assigned based on the material covered up to that point in the course. Your written submission of the Case Study should include each of the following elements:

Element	Met	Partially Met	Not Met
Identification of the Main Issues (25 points)	Identifies and demonstrates an understanding of all the presenting challenges in the case study.	Identifies and demonstrates an understanding of most of the presenting challenges in the case study.	Identifies and demonstrates an understanding of some of the presenting challenges in the case study.
Analysis of the presenting concerns (25 points)	Insightful and thorough analysis of all the presenting concerns.	Insightful and thorough analysis of most of the presenting concerns.	Insightful and thorough analysis of some of the presenting concerns.
Effective Solutions	Thoughtful and thorough	Thoughtful and	Thoughtful and
and Interventions (25 points)	intervention and protocol addressing all of the issues in the case study.	thorough intervention and protocol addressing most of the issues in the case study.	thorough intervention and protocol addressing some of the issues in the case study.
Connecting Theory to Practice with links to course readings and relevant research. (20 points)	All intervention strategies are adequately supported with relevant research and links to course readings.	Most intervention strategies are adequately supported with relevant research and links to course readings.	Some intervention strategies are adequately supported with relevant research and links to course readings.

APA Style	Citations are included and	Citations are included.	Citations are not
(5 point)	written in correct APA	There are some minor	included and/or there
	style.	APA style errors.	are numerous APA style
			errors.

• Coaches Challenge [Tests] – Weeks 7 & 16; 30%. There will be 2 tests throughout the semester based on the assigned readings and supplemental course materials. Each test will be completed via Canvas. Tests will consist of multiple choice, true/false, and/or short answer questions. If you miss a test it may be made up at the discretion of the instructor provided adequate notice is afforded in advance of the test and appropriate documentation is provided within 24hrs of the test.

Additional information and guidelines are available within the Assignments content area.

#### Final grade composition:

Yellowdig: 10%Quora: 10%Book Review: 20%Case Study: 30%Tests: 30%

#### **Notes:**

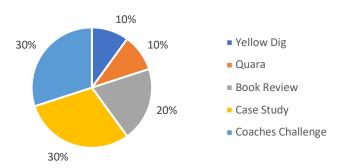
Grades will not be rounded
e.g. a 92.99% will not be rounded to a 93.00%.
Grades of "I", "X", "H", or "N" will not be given except in cases of a documented, catastrophic occurrence.

# Course letter grades based on cumulative grade percentages:

<u>Grade</u>	<u>Percentage</u>	<b>Grade Points</b>
Α	93 - 100 %	4.00
A-	90 - 92.99 %	3.67
B+	87 - 89.99 %	3.33
В	83 - 86.99 %	3.00
B-	80 - 82.99 %	2.67
C+	77 - 79.99 %	2.33
С	73 - 76.99 %	2.00
C-	70 - 72.99 %	1.67
D+	67 - 69.99 %	1.33
D	63 - 66.99 %	1.00
D-	60 - 62.99 %	0.67
Ε	0 - 59.99 %	0.00

More detailed information regarding current UF grading policies can be found here: https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/.

#### **Grade Breakdown**



# **Weekly Course Schedule**

# **CRITICAL DATES & UF OBSERVED HOLIDAYS**

- September 1st: Labor Day (Monday)
- October 17-18th: Homecoming (Thursday Friday)
- November 11: Veteran's Day (Tuesday)
- November 24- 29: Thanksgiving Break (Monday Saturday)
- December 12-13 Commencement (Friday Saturday)
- Complete list available here: <u>Critical Dates & UF Observed Holidays</u>

# **WEEKLY SCHEDULE**

Week	Dates	Assigned Module & Schedule Notes	Readings	Assessments Due
1	Aug 21-22	Module 1 Intro to Emotion & Attention Human Performance	Yiend, J. (2010) The effects of emotion on attention: A review of attentional processing of emotional information.	Aug 24: Quora Welcome
2	Aug 25-29	Module 1 Intro to Emotion & Attention Human Performance cont	Derakshan, N. & Eysenck, M.W. (2010). Introduction to the Special Sssue: Emotional States, Attention, and Working Memory.	Aug 27: Yellowdig Aug 31: Quora 1
3	Sept 1-5	UF Holiday: Labor Day – Sept 1  Module 2 Emotion	Plutchik, R. (1982). A Psychoevolutionary Theory of Emotions.	Sept 3: Yellowdig
4	Sept 8-12	Module 2 Emotion cont	Lazarus, R. (2000). How Emotions Influence Performance on Competitive Sport.  Janelle, C.M., Fawver, B., & Beatty, G.F. (2018). Emotions and Sport Performance.	Sept 10: Yellowdig Sept14: Quora 2
5	Sept 15-19	Module 2 Emotion cont	Robazza, C., Morano, M., Bortoli, L., & Ruiz, M.C., (2023) Athletes' Basic Psychological Needs and Emotions: The Role of Cognitive Reappraisal.	Sept 17: Yellowdig

			Lane, A.M., Beedie, C.J., Jones, M.J., Uphill, M. & Devonport, T.J. (2012). The BASES Expert Statement on Emotion Regulation in Sport.	
6	Sept 22-26	Module 3 Attention	Moran, A. (2012). Concentration: Attention & Performance  Vickers, J. (2007). Visual System, Motor Control, and the Changing Brain.  Vickers, J. (2007). Measuring What Athletes See.	Sept 24: Yellowdig Sept 28: Quora 3 Sept 28: Case Study I
7	Sept 29 - Oct 3	Module 3 Attention cont	Abernethy, B., Maxwell, J.P., Masters, R., Van Der Kamp, J., & Jackson, R. (2007). Attentional Processes in Skill Learning and Expert Performance  Lohse, K.R. (2017). On Attentional Control. A dimensional Framework for Attention in Expert Performance.	Oct 1: Yellowdig  Oct 5: Coach's Challenge I
8	Oct 6 - 10	Module 4 Linking Emotion and Attention	Corbetta, M., Patel, G., Shulman, G.L. (2008). The Reorienting System of the Human Brain: From Environment to Theory of Mind.  Easterbrook, J.A. (1959) The Effects of Emotion on Cue Utilization and the Organization of Behavior.	Oct 8: Yellowdig
9	Oct 13-17	UF Holiday: UF Homecoming – Oct 18  Module 4 Linking Emotion and Attention cont	Janelle, C. (2002). Anxiety, Arousal and Visual Attention: A Mechanistic Account of Performance Variability.	Oct 15: Yellowdig Oct 19: Quora 4

			Williams, A.M., Davids, K. & Williams, J.G. (1998). Anticipation and Decision-Making in Sport.	
10	Oct 20-24	Module 5 Perceptual-Cognitive Expertise	Mann, D., Williams, A.M., Ward, P., & Janelle, C.M. (2007). Perceptual Cognitive Expertise in Sport: A Meta-Analysis  Behan, M. & Wilson, W. (2008). State Anxiety and Visual Attention: The Role of the Quiet Eye period in Aiming to a Far Target.	Oct 22:: Yellowdig
11	Oct 27-31	Module 5 Perceptual- Cognitive Expertise	Masters, S., Law, J., & Maxwell, J. (2002). Implicit and Explicit Learning in Interceptive Actions.  Faubert, J. & Sidebottom, L. (2012). Perceptual-Cognitive Training of Athletes.	Oct 29: Yellowdig
12	Nov 3-7	Module 6 Emotion Regulation	Gross, R. & Thompson, R. (2007). Emotion Regulation: Conceptual Foundations  Fawver, B., Beatty, G.F., Mann, D.T.Y., & Janelle, C.M. (2019). Staying Cool Under Fire: Strategies to Develop Psychological Skills and Regulate Emotions for High-Level Performance.	Nov 5: Yellowdig Nov 9: Quora 5
13	Nov 10-14	UF Holiday: Veteran's Day: Nov 11  Module 6 Emotion Regulation cont	Bradberry, T. (2014). How Successful People Stay Calm. Beatty, G.F. & Janelle, C.M. (2020). Emotion Regulation and Motor Performance: An	Nov 12: Yellowdig

14	Nov 17- 21	Module 7 Developing World Class Attention	Integrated Review and the Temporal Influence Model of Emotion Regulation.  Williams, J., Nideffer, R.M., Wilson, V.E., & Sagal, MS. (2021). Concentration and Strategies for Controlling It.  Laby, D. M., & Appelbaum, L. G. (2021). Vision and on-field performance: a critical review of visual assessment and training studies with athletes.	Nov 19: Yellowdig Nov 23: Focus: Book Review
15	Nov 24 -28	Thanksgiving Break		No Assignments Dues
16	Dec 1-3	Module 8 Putting it all together Special Considerations for Tactical Athletes	Wilson, M.R. & Richards, H. (2011). Putting it Together: Skills for Pressure Performance.	Dec 3: Quora 6  Dec 6: Coach's Challenge II  Dec 7: Case Study II

#### **SUCCESS AND STUDY TIPS**

Quora's are designed as review and mastery tools for the course, setting the stage for both Case Studies and Coach's Challenges. Learning is a process that requires sustained, incremental advancements and occurs over time following neural adaptation. More simply stated, cramming may yield short-term results, but this strategy does not induce meaningful or lasting learning. Quora's include questions requiring reflection and application of material.

Case Studies are designed to facilitate skill development in retrieving, consuming, and communicating scientific evidence for the enhancement of individual and team success. Case Studies require substantial preparation to execute successfully.

Yellowdig is an asynchronous student engagement platform. Students should plan to participate weekly by posting course relevant thoughts, observations, questions; and responding to peers. Points are accrued on a weekly basis, so it is critical that students do not fall behind as it is nearly impossible to catch up on missed weeks.

Coach's Challenges are designed as summative assessments. All module materials are intentionally designed to help students prepare for the three Coach's Challenges.