### **Lean Innovation Lab (94-491 / 94-891)**

Carnegie Mellon University - Master of Information Systems Management Program 12(variable) Units

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Office Hours: 30 minutes following class each class

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Course Administrator: Randy F. Trzeciak, CIC 3335, 412.268.7040, randallt@andrew.cmu.edu

#### **Course Schedule (subject to change):**

Week	Module	Topic Review	Module	Topic Launch	Monday	Friday	Friday Topic
1	0	Class Overview	1	Beneficiary Discovery	1/15/2023 (MLK Day)	19-Jan	workshop
2	1	Beneficiary Discovery	2	Problem 101 / DHS/DoD 101 + MMC	22-Jan	26-Jan	1:1 Sessions
3	2	Mission Model Canvas + Team Formation	3	MVP	29-Jan	2-Feb	1:1 Sessions
4	3	MVP	4	Beneficiaries	5-Feb	9-Feb	1st outbrief
5	4	Beneficiaries	5	Value Proposition	12-Feb	29-Sep	1:1 Sessions
6	5	Value Proposition	6	Product/Mission Fit	19-Feb	23-Feb	1:1 Sessions
7	6	Product/Mission Fit	7	Dual Use	26-Feb	1-Mar	mid-term pres
8		SPF	RING BE	REAK - NO CLASS	4-Mar	8-Mar	Spring Break - No Class
9	7	Dual Use	8	Mission Achievement	11-Mar	15-Mar	1:1 Sessions
10	8	Mission Achievement	9	Buy-in & Support	18-Mar	21-Mar	1:1 Sessions
11	9	Buy-in & Support	10	Deployment	25-Mar	29-Mar	2nd outbrief
12	10	Deployment	11	Activities, Resources & Key Partners	1-Apr	5-Apr	1:1 Sessions
13	11	Activities, Resources & Key Partners	12	Mission Budget & Operating Plan	8-Apr	12-Apr	Spring Carn - No Class
14	12	Mission Budget & Operating Plan	13	Lessons Learned / Presentation Tips & Best Practices	15-Apr	19-Apr	1:1 Sessions
15	13	Lessons Learned / Presentation Tips & Best Practices	14	Final Presentation	22-Apr	26-Apr	final pres
16	15	Final Deliverable Submision & Class Conlusion	15	Final Deliverable Submision and Class Conlusion	29-Apr	3-May	No Class
				*denote	s our in-clas	s meetings	

Heinz Academic calendar: <a href="https://www.heinz.cmu.edu/heinz-shared/files/img/current-students/heinz-college-academic-calendar-2023-24.pdf">https://www.heinz.cmu.edu/heinz-shared/files/img/current-students/heinz-college-academic-calendar-2023-24.pdf</a>

#### **Course Prerequisites:**

Optional prerequisites include experience with lean innovation frameworks, project management/IT project management, critical thinking skills, estimation, org management, communication & strategizing

#### **Course Description:**

Lean Innovation Lab is a specialized Heinz College course designed to challenge students to tackle new & emerging problems through mission-driven entrepreneurship. Students select from a set of carefully

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curated, complex, real-world problem sets and learn about the problem sponsors & their organization, their culture, & their mission to instill a culture of relentless resilience & new innovative practice. Students will learn to apply Lean Innovation frameworks & tools to identify key stakeholders, understand their needs, & develop & test iterative minimum viable products (MVPs) that lead to an applicable solution. Using a flipped-classroom approach, the students will brief the teaching team on their progress each week & receive direct coaching from their instructors & advisors, mentors, & subject matter experts from across public & private entrepreneurship ecosystems. Problem sets will focus on solving problems across public agencies in government as well as dual-use applications in private sectors & industries.

Problem sets will focus on solving problems in specific public agencies including the armed forces (Navy, Army, USAF, Marines, National Guard, etc.) & branches of DHS including the Federal Emergency Management Agency (FEMA), Cybersecurity Infrastructure Security Agency (CISA), Transportation Security Administration (TSA), etc. as well as private sector firms.

# **High-Level Learning Objectives & Outcomes:**

Skills & knowledge the students are expected to gain & how they will be assessed include:

- -Hands-on experience in understanding & working w/ public & private entities on real-world problems
- -Applying appropriate Lean LaunchPad tools & techniques (MMC, VPC, etc.) to successfully organize & operate within a public/private sector project boundary which will allow for the proper evaluation, escalation, risk management, summarization & congregation of appropriate deliverables to all stakeholders (beneficiaries, program sponsor, faculty, etc.) involved in the project.
- -An appropriate selection & demonstration of hypothesis formulating, discovery, info gathering & hypothesis testing through confident knowledge & skills that will be applied to the final prototype &/or other deliverables.
- -Development of critical thinking skills, interviewing, teamwork, complex problem solving, & building of professional networks through an entrepreneurial mindset.
- -Applications of extracting insights from data collection for effective problem assessment & solving that are applied to the scope development through creation of MVPs & that allow for a properly vetted design, construction, & eventual summation of the project.
- -Clear, concise, & effective storytelling through presentation of findings & final deliverables with a formal client signoff process that ensures proper closure to the expected final project state.

#### **Reading Materials & Campus Wide Resources:**

Project-specific readings & forms are available on Canvas or will be distributed in the first meeting. *Textbooks used for reference & are free via the CMU library include:* 

- 1. Business Model Generation: Osterwalder, et al [BMG]
- 2. Value Proposition Design: Osterwalder, et al [VPC]

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#### 3. Startup Owner's Manual: Blank & Dorf [SOM]

Software includes (but is not limited to):

Communication & tracking software: Slack, MS Teams, Piazza (on Canvas), Discord, etc.

Project specific tracking software: Trello, MS Project, or anything utilizing a Gannt Chart, Burndown Chart, Work Breakdown Structure (WBS), etc.

File repository & versioning: GitHub, Box, Google Drive, Dropbox, Canvas, etc.

Feel free to utilize your favorite coding & development tools for both your prototypes & documentation / presentations. Make sure that everyone on the team as well as the program sponsor & faculty advisor have the ability to access & review.

## **Attendance Policy:**

Students are expected to attend all scheduled mandatory meetings with the faculty advisors & program sponsors, as well as all presentations & final requirements. As most of this course involves team-based work including live presentations, it is imperative that students are a part of each active session including all interview sessions. Absences/lateness must be handled professionally & approved in advance.

### Cheating, Plagiarism, & Academic Integrity:

Students at CMU are engaged in preparation for professional activity of the highest standards. Each profession constrains its members with both ethical responsibilities & disciplinary limits. To assure validity of the learning experience, Carnegie Mellon establishes clear standards for student work. You are required to be familiar with all university policies on this subject (see <a href="https://www.cmu.edu/policies/student-&-student-life/academic-integrity.html">https://www.cmu.edu/policies/student-&-student-life/academic-integrity.html</a>). An extract of these policies is reproduced here:

In any presentation, creative, artistic, or research, it is the ethical responsibility of each student to produce their own academic work & identify the conceptual sources of the work submitted. Failure to do so is dishonest & is the basis for a charge of cheating or plagiarism, which is subject to disciplinary action.

Cheating includes but is not necessarily limited to:

- o Plagiarism which is explained below.
- o Submission of work that is not the student's own for any part of the deliverables.
- o Submission or use of falsified data.
- o Theft of or unauthorized access to an exam or quiz. (if applicable)
- o Use of an alternate, stand-in or proxy during an examination. (if applicable)
- Use of unauthorized material including textbooks, notes or computer programs in the preparation of an assignment or during an examination. (if applicable)
- o Supplying or communicating in any way unauthorized information to another student for work on the project outside of the team or during an examination (if applicable).

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o Collaboration in the preparation of work on the project outside of the team. Unless specifically permitted or required by the advisor, collaboration will usually be viewed by the university as

cheating. Each student is responsible for understanding the policies of the department offering any course as they refer to the amount of help & collaboration permitted in preparation of projects.

Submission of the same work for credit in two projects without obtaining instructor permission.

Plagiarism includes (but not limited to) failure to indicate source with quotation marks or footnotes where appropriate if any of the following are reproduced in the work submitted by a student:

- o A phrase, written or musical.
- o A graphic element.
- o A proof.
- o Specific language.
- o An idea derived from the work, published or unpublished, of another person.

One application of this plagiarism policy for this course is that you may <u>not</u> provide or receive information on individual work completed (applicable for work spanning more than one semester) unless approved beforehand. This includes both students from prior semesters & students from other sections in this semester. *The rule of thumb is that the work provided is to be original work from the individual & the team.* 

#### **Course Web Sites:**

Canvas: <a href="http://canvas.cmu.edu">http://canvas.cmu.edu</a>
Slack: <a href="https://slack.com/">https://slack.com/</a>

We will use the Canvas site for hosting initial information & announcements. If you are registered in a LIL project, you should already have access. Your login id is your Andrew ID & password. Canvas has an upto-date copy of the syllabus, schedule, pertinent documentation, A/V, & any LIL announcements. While we will try to make announcements both in our meetings & on Canvas & Slack, it is a good idea for you to check & utilize both sites regularly. Additionally, Canvas has links to readings & relevant sites mentioned in our meetings with more extensive background materials.

Slack is our primary communication & sharing tool. All project related information should be addressed through this site. *No other sites or tools should be used without prior authorization from faculty advisors.* 

#### **Grading & Course Requirements:**

You will be evaluated based on your project analyses, participation in discussions, & project presentations. Your project analyses will be graded as group work. Your grades for individual participation & technical input will be your own. Grades will tentatively be given at the mid-term & final. Final grades will also be contingent on an evaluation of changes between the mid-term & final grade (meaning that the final grade can be affected by increase/decrease of how you were graded in the mid-term). Canvas should only be used to track individual grades, not cumulative. The grading system on Canvas does not accurately track the grading scheme used in this class. Please follow up with the TA &/or myself for grading questions.

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The final grade for the course is distributed among various components of both team & individual contributions:

		Grade
Individual Professionalism (1/6) (based on peer & client/sponsor evaluations, observations, attendance, etc.)	Team Professionalism (1/6) (based on client/sponsor evaluations, team responsibilities to advisor & client such as meeting attendance, responsiveness, & organization of project work)	= 1/3
Individual Technical (2/6) (based on peer & client/sponsor evaluations, research, scoping, technical knowledge & contributions of your work to the team effort)	Team Technical (2/6) (based on client/sponsor evaluations, the teams' abilities to research, scope, & implement technologies to solve the client problem, as well as documenting & presenting their findings)	= 2/3
	Total Grade:	1

Total grade equates to the max you can earn for the project (TG\*100) which will equate to the final letter grade based on a 100-point scale. Grading Scale is as follows:

GPA	Letter Grade	Percentage Grade	GPA	Letter Grade	Percentage Grade
4.33	A+	98-100+	2.67	B-	80-83.9
4.00	Α	94-97.9	2.33	C+	77-79.9
3.67	A-	90-93.9	2.00	С	74-76.9
3.33	B+	87-89.9	1.67	C-	70-73.9
3.00	В	84-86.9	0	R	0-69.9

An example breakdown is as follows:

Student Name	Individual Tech	Individual Prof.	Team Tech	Team Prof.	Total	Letter Grade
Jean Doe	95	95	89	90	92.1	A-
Jeff Dee	90	83	89	90	88.5	B+
Jake Dell	80	100	89	90	88	B+
Jill Dean	100	100	89	90	94.5	Α

Other areas that will be considered for grading can include assessments, attendance to other project presentations, & other requirements set forth in the project. These are outlined in the following section.

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# **Rubrics for Grading Each Section:**

Each grade section is made up of one or more evaluation instruments to determine the final grade. The following outlines these criteria for determining that sections grade component.

# Team Technical Grading Rubric (2/6):

**Technical Analysis (60%)** - understanding of the project & the issues highlighted, & solid reasoning/development for your argument/recommendation/prototype based on the problem or opportunity presented.

LEVEL OF PROFICIENCY	Exemplary (9-10)	Accomplished (7-8)	Developing (4-6)	Needs work (1-3)
Problem Scoping	Clearly defines the problem, its boundaries & the project's scope through hypothesis analysis & testing.	Defines the problem, with an understanding of its boundaries & the project's scope through hypothesis analysis & testing.	Sometimes makes contributions to defining the project's scope, but ideas through the hypothesis analysis & testing are vague.	Doesn't make contributions to define the project's scope through hypothesis analysis & testing.
Problem Solving	Reviews multiple approaches for solving the problem that identifies a grounded approach within the specific context utilizing the Lean Launchpad methodology.	Identifies multiple approaches for solving the problem, only some of which apply within a specific context utilizing the Lean Launchpad methodology.	Identifies only a single approach without other considerations for solving the problem but that applies within the specific context & may or may not utilize the Lean Launchpad methodology effectively.	Identifies one or more approaches to solving the problem but that do not apply within the specific context or that utilize the Lean Launchpad methodology.
Technology & Managerial Implementation (strength, testing, evaluation, quality)	Clear knowledge & know-how to research & implement appropriate Lean LaunchPad methodologies & technologies for the project. This could include areas out of scope that add value & were approved.  Business & technological decisions are synergistic & displayed thoroughly through development of MVPs & scoped through the VPC & MMC process.  Prototype/demo/component presents & is delivered effectively.	Some knowledge & understanding of the methodology & technology to incorporate within the project are displayed.  Methods & technical needs are mostly met to provide adequate project delivery & a solution to problem area(s) identified by the client.  Managerial &/or technical decisions made for the MVPs & through the VPCs & MMCs may show some minor lack of cohesiveness.  Prototype/demo/component presents & is delivered but with minor issues.	Vague incorporations or directions of technical research & implementations. Technical needs are still in development but show signs of creating a solution to the client problem but may not be met within the project.  Managerial &/or technical decisions made for the MVPs & through the VPCs & MMCs may show major lack of cohesiveness.  Prototype/demo/component presents & is delivered but shows many issues.	No knowledge or understanding of the technology to be incorporated within the project, technical needs are not met, or do not work.  No cohesiveness between business & technical constraints through managerial &/or technical decisions made for the MVPs & through the VPCs & MMCs.  Prototype/demo/compon ent is not delivered or does not function as it should.
Generates valid conclusions/decisions & considers the audience	Recommended solution is based on stated criteria, analysis & constraints & considers other options. Project expectations are fully met or exceeded for all beneficiaries. Considers not only the current but future scope.	Solution/decision is reasonable; further analysis of some of the alternatives or constraints defer different recommendations. Project expectations are mostly met. Beneficiaries are mostly considered in the final outcomes.	to different	Only one solution is considered, or other solutions were ignored or incompletely analyzed. Many constraints & criteria were ignored. Project analysis shows poor project outcomes. Beneficiaries are rarely or not considered for the final outcomes.

LEVEL OF PROFICIENCY	Exemplary (9-10)	Accomplished (7-8)	Developing (4-6)	Needs work (1-3)
Identifies	All relevant information is	Sufficient information is	Some relevant information is	Insufficient information is
relevant &	obtained, & information	obtained, & most sources	obtained but information	obtained &/or sources lack
valid sources	sources are valid &	are valid.	sources are not always valid &	validity & reliability.
of	accurate.		accurate.	
information		Solutions are mostly		Solutions have no support by the
to support	Solutions are well	supported by the	Solutions are not well supported	evidence & nothing to show that
decision-	supported by a deep &	information gathered that	by the information gathered &	the information gathered creates
making	logical connection	create a connection	doesn't show a connection	a connection between the
through your	between research &	between research &	between research & concept.	research & concept.
research	conceptualizations.	concept.		
			Alternatives exploring different	Alternatives are not considered
	Alternatives exploring	Alternatives are considered	facets of use are rarely	or are not valid.
	different facets of use are	but are not fully vetted.	considered or are not	
	considered & are		appropriately analyzed for	Does not identify appropriate
	appropriately analyzed for feasibility.	Identifies appropriate data for analysis & a	feasibility	data for analysis.
		methodology for addressing	Attempts to identify data for	Sketches, prototypes, graphs
	Identifies appropriate	the problem.	analysis but may not understand	&/or scenarios are not used &/or
	data for analysis &		or have an optimal methodology	do not bring opportunity areas to
	exceeds findings in an	Sketches, prototypes, graphs	to solve the problem.	life or only cause confusion.
	optimal methodology to	&/or scenarios are		
	address the problem.	sometimes used or may be	Sketches, prototypes, graphs	
		slightly inconsistent.	&/or scenarios are used but	
	Sketches, prototypes,		need a lot of explanation to	
	graphs &/or scenarios are		bring opportunity areas to life or	
	used to bring opportunity areas to life.		struggle to make a connection.	

This rubric is combined with the client/sponsor feedback to determine the final grade (R+C/2). The following three criteria will be examined:

- 1. Technical outcomes/productions from the team. Were all requests during the first mini-semester met with technical expertise?
- 2. Fulfillment of project goals by the sponsor. Did the team meet all objectives set forth by the sponsor?
- 3. Confidence in the output & submission of the project. Is the sponsor happy with the final product/prototype/presentation/etc.?

#### Team Professionalism Grading Rubric (1/6):

Since the project relies on group work, we will use a client review instrument to ensure that feedback from the client about the teams' progress contributions are considered in the determination of the final grade. This is in tandem with the following rubric that will be used to assess the team's professionalism in the project.

**Professional Skills (100%)** - Clear structure & organization of the deliverables, following the format requirements, & staying within the page/time limit as well as adhering to all professional standards during the project.

LEVEL OF PROFICIENCY	Exemplary (9-10)	Accomplished (7-8)	Developing (4-6)	Needs work (1-3)
Client Skills	Meeting interactions are	Meeting interactions are	Meeting interactions are	Meeting interactions are
	professional & productive,	mostly professional &	somewhat professional &	unprofessional &/or unproductive.
	eliminates jargon &	productive. Few	productive. More	Multiple miscommunications &
	explains ideas well.	miscommunications &	miscommunications &	disconnects, & full for jargon &
	All banafisian, maatings	disconnects with some	disconnects with some	misunderstandings of ideas.
	All beneficiary meetings are met in a timely fashion	jargon that may interfere with explanation of ideas.	jargon that may interfere with explanation of ideas.	Most beneficiary meetings are not
	& are well organized in	with explanation of ideas.	with explanation of ideas.	meeting time considerations & are
	advance.	Most beneficiary meetings	Most beneficiary meetings	showing a lack of organization in
		are met in a timely fashion &	are needing improvement	advance.
	Demonstrates a high level	are mostly organized in	to time considerations &	
	of comfort & connection	advance.	are only somewhat	High degree of discomfort
	with the audience.		organized in advance.	interacting with the audience.
	Speakers respond	Demonstrates a decent level	0	Speakers have difficulty responding
	accurately & appropriately	of comfort with the	Demonstrates a slight	clearly & accurately to audience
	to audience questions &	audience. Speakers respond	discomfort with the	questions or never responds.
	comments.	to most questions accurately	audience. Speakers respond	
		& appropriately but may be	to questions less accurately	
		slower to respond.	& appropriately, &/or	
			respond slowly.	
Presentation	Slides are error-free &	Slides are mostly error-free	Slides are not completely	Slides contain errors & lack a
Skills (visual,	logically present the main	& logically present the main	error-free &/or logically	logical progression. Major aspects
oral, written	components of the	components of the process	presenting the main	of the analysis or
documentation)	process &	& recommendations.	components of the process	recommendations are absent.
for telling the	recommendations.		& recommendations.	Diagrams or graphics are absent or
story		Material is completely		confuse the audience.
	Material is completely	readable with some slight	Material is readable with	
	legible, & the graphics	effort, & graphics reiterate	some challenges, & graphics	Sentences are seeing many
	highlight & support all of	most the main ideas.	somewhat reiterate the	grammatical errors with many
	the main ideas. Sentences	Sentences are grammatical	main ideas. Sentences are	spelling errors present that
	are grammatical with no	with minimal spelling errors present that do not hinder	seeing grammatical errors	completely hinder the reader.
	spelling errors present.	the reader.	with more spelling errors present that start to hinder	Speakers are often inaudible or
	Speakers are audible &	the reader.	the reader.	hesitant, often speaking in
	fluent on their topic, & do	Speakers are mostly audible	the reader.	incomplete sentences. Speakers
	not rely on notes to	& fluent on their topic &	Speakers are somewhat	rely heavily on notes.
	present or respond.	require minimal referral to	audible & fluent on their	
		notes.	topic & require continual	Is not an effective summary & does
	Is an effective summary of		referral to notes or read	not work visually.
	the team's efforts & works	Is an effective summary of	directly from slides.	
	visually & considers all	the team's efforts & is		The full audience is not considered.
	audiences.	visually appealing &	Is a slightly less effective	
		understandable for the	summary of the team's	Time is well under or over allotted
	Does not run over allotted	audience.	efforts & is less visually	time (5+ minutes) or is extremely
	time but stays within the		appealing & understandable	over or under page length.
	ideal range (Within 1-2	May slightly run over time or	for the audience.	
	minutes) or allotted page	ends prematurely (2-4		Report lacks an overall
	length & stays concise.	minutes) or is over/under	May run over time (over 2	organization. Reader has to make
	Barrant in confl	page length.	minutes) or ends	considerable effort to understand
	Report is well organized &	Demant is a security at 0 at 1	prematurely (4-5 minutes),	the underlying logic & flow of
	clearly written. The	Report is organized & clearly	or grossly over or under	ideas. Diagrams are absent or
	underlying logic is clearly	written. In all areas the logic	page length.	inconsistent with the text.

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arti	iculated & easy to	or flow of ideas is clear to		
foll	ow. Diagrams or	follow. Diagrams are	Report is organized &	Demoing of final products is not
ana	alyses enhance & clarify	consistent with the text.	clearly written for the most	successful, &/or does includes a
pre	esentation of ideas.		part. In some areas the logic	backup plan that works as an
Sen	ntences are	Demoing of final products is	or flow of ideas is difficult	alternative.
gra	mmatical & free from	mostly successful & may or	to follow. Diagrams are	
spe	elling errors.	may not include a backup	somewhat consistent with	
		plan.	the text.	
Der	moing of final products			
is s	uccessful & includes a		Demoing of final products is	
bac	ckup plan.		somewhat successful,	
			includes a backup plan that	
			needs improvements.	

This rubric is combined with the client/sponsor feedback to determine the final grade (R+C/2). The following three criteria will be examined:

- 1. Team responsiveness to communications; email, meetings, phone calls, etc. Did the team respond to all inquiries & in a timely manner?
- 2. Team professionalism. Did the team approach all work with the sponsor in a professional manner?
- 3. Confidence in the output & submission of the project. Is the sponsor happy with the final product/prototype/presentation/etc.?

#### Individual Technical Rubric (2/6):

Since the project relies on group work, we use a peer review instrument to ensure that feedback from group members about team member technical contributions are considered in determination of the final grade. This is in tandem with the faculty advisor's observations of student's technical contributions to the team & project, as well as knowledge of Lean Launchpad methodology through learning materials & assignments.

#### Individual Professionalism Rubric (1/6):

Since projects rely on group work, we use a peer review instrument to ensure that feedback from group members about team member professionalism are considered in determination of final grades. This is in tandem with the faculty advisor's observations of student's professional contributions to the team & project.

## A Note on Regrade Requests:

If you believe that your grade is inaccurate, you may request a regrade under the following conditions:

- 1. Regrade requests must be submitted in writing within 3 days of the date when the grade was given.
- 2. Regrade requests must outline reasons you deserve a change in your grade. Referencing another student's grade is inappropriate & irrelevant. While we do our best to apply an even standard across students, we can't discuss anyone else's grade with you, so we need to deal with the merits of your individual case only.

- 3. We reserve the right to regrade the entire assignment requested for review & thus your grade may go up, down, or stay the same. This regrade is considered final.
- 4. LIL project participation grades are inherently subjective & not subject to regrade requests. We will make notes on participation at the end of each meeting & assign end of semester grades based on these notes.

### **Late Submission Policy:**

All late deliverables are subject to a grade penalty of 10% per day past the due date/time, with a maximum of 4 days. Anything submitted beyond 4 days past the due date will receive an automatic 0. Teams & individual submissions are subject to the same policy. Any issue with meeting a deadline must be cleared through the advisor or client/sponsor prior to the submission date/time or will be subject to the penalty.

## **Use of Generative AI (ChatGPT)**

I expect you will use AI (e.g., ChatGPT and image generation tools) in this class. In fact, some assignments may require it. Learning to use AI is an emerging skill and to get started, I have provided three tutorials below:

- How to use ChatGPT to boost your writing
- The practical guide to using AI to do stuff
- APA citation guidelines for GAI (ChatGPT example)

You should also be aware of the limits of ChatGPT:

- If you provide minimum-effort prompts, you will get low-quality results. You will need to refine your prompts in order to get good outcomes. This will take work.
- **Don't trust everything it says.** If it gives you a number or fact, assume it's wrong unless you either know the answer or can check with another source. You will be responsible for any errors or omissions provided by the tool. It works best for topics you understand.
- AI is a tool, but one that you need to acknowledge using. Please include a paragraph at the end of any assignment that uses AI explaining what you used the AI for and what prompts you used to get the results. Failure to do so can constitute as an academic integrity violation.
- Be thoughtful about when this tool is useful. Don't use it if it isn't appropriate for the case or circumstance

Resources we may use to validate work against generative AI (and that you can use) include:

https://aiwritingcheck.org/

https://www.turnitin.com/ (built into Canvas)

https://github.com/jwkirchenbauer/lm-watermarking

https://gptzero.me/

Some CMU strategies being employed include <a href="https://www.cmu.edu/teaching/technology/aitools/index.html">https://www.cmu.edu/teaching/technology/aitools/index.html</a>

- -You may use generative AI for the following work: Group & individual work towards the group
- -You may NOT use generative AI for the following work: Surveys & individual assignments
- -I am happy to meet and help you with these tools during office hours or after class.

#### **Diversity & Inclusion:**

It is our intent that students from all diverse backgrounds & perspectives be well served by this course, that students' learning needs be addressed both in & out of this course, & that the diversity that students bring to this course be viewed as a resource, strength & benefit. It is our intent to present materials & knowledge that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, & culture. Your suggestions are encouraged & appreciated. Please let us know ways to improve the effectiveness & experience for you personally, or for other students on the team. In addition, if any of our meetings conflict with your religious events, please let us know so we can make arrangements for you.

The topics & areas that we cover can vary, some of which can be difficult, not just intellectually but emotionally. While we expect there to be rigorous discussion & even disagreement during our meetings, we ask that you engage in discussion with care & empathy for the other members on the team as well as the beneficiaries & sponsors we work with. Aim to disagree without becoming disagreeable. In this course we will not shy away from the uncomfortable. Critically examining & assessing our most basic assumptions & values is not just one of the tasks of philosophy but is an activity vital to living an authentic life. We urge you to have the courage to the uncomfortable in this course. In exchange for your courage, we will work to ensure an environment that supports your taking these intellectual & emotional risks.

#### **Student Health & Wellness:**

CMU & all classes, including this one, strive to accommodate students in all capacities by creating a learning environment that considers health & well-being of all students. A review the university policies regarding health & wellness can be reviewed at: <a href="https://www.cmu.edu/graduate/current-grad-students/health-&-wellness/index.html">https://www.cmu.edu/graduate/current-grad-students/health-&-wellness/index.html</a>

Graduate student policies can be reviewed at: https://www.cmu.edu/graduate/policies/index.html

Students who need to miss class should email their professors and/or TA's. If personal accommodations are needed, students should reach out to the Office of Disability Resources.

### **Covid-19 Policies:**

Facial Coverings: Facial coverings both indoors and outdoors are optional.

<u>Vaccinations</u>: All students, faculty & staff are no longer required to be up to date on <u>vaccinations</u>. **As of May 12 2023, CMU has decommissioned Tartan Testing operations and the lab**. Testing is no longer required. COVID-19 tests will be available in the vending machine located in the Cohon University Center until supplies are depleted.

CMU no longer requires reporting COVID-19 cases. Community members who contract COVID-19 should follow the guidance of their care provider regarding isolation, as they would with any communicable disease.

#### **Accommodations for Students with Disabilities:**

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If you have a disability & have an accommodations letter from the Disability Resources office, I encourage you to discuss your accommodations & needs with me as early in the semester as possible. I will work with you to ensure that accommodations are provided as appropriate. If you suspect that you may have a disability & would benefit from accommodations but are not yet registered with the Office of Disability Resources, I encourage you to contact them at <a href="mailto:access@andrew.cmu.edu">access@andrew.cmu.edu</a>.

#### **Student Academic Success Center (SASC):**

SASC focuses on creating spaces for students to engage in their coursework & approach learning through a variety of group & individual tutoring options. They offer many opportunities for students to deepen their understanding of who they are as learners, communicators, & scholars. Their workshops are free to the CMU community & meet the needs of all disciplines & levels of study. SASC programs to support student learning include the following (program titles link to webpages):

- Academic Coaching--This program provides holistic, one-on-one peer support & group workshops to help undergraduate & graduate students implement habits for success. Academic Coaching assists students with time management, productive learning & study habits, organization, stress management, & other skills. Request an initial consultation <a href="here">here</a>.
- Peer Tutoring -Peer Tutoring is offered in two formats for students seeking support related to their coursework. Drop-In tutoring targets our highest demand courses through regularly scheduled open tutoring sessions during the fall & spring semesters. Tutoring by appointment consists of ongoing individualized & small group sessions. You can utilize tutoring to discuss course related content, clarify & ask questions, & work through practice problems. Visit the webpage\_to see courses currently being supported by Peer Tutoring.
- <u>Communication Support</u>--Communication Support offers free one-on-one communication consulting as well as group workshops to support strong written, oral, & visual communication in texts including IMRaD & thesis-driven essays, data-driven reports, oral presentations, posters & visual design, advanced research, application materials, grant proposals, business & public policy documents, data visualization, & team projects. Appointments are available to undergraduate & graduate students from any discipline at CMU. Schedule an appointment on their website (inperson, zoom synchronous, or recorded video), attend a workshop, or consult handouts or videos to strengthen communication skills.
- Language & Cross-Cultural Support-This program supports students seeking help with language & cross-cultural skills for academic & professional success through individual & group sessions. Students can get assistance with writing academic emails, learning expectations & strategies for clear academic writing, pronunciation, grammar, fluency, & more. Make an appointment with a Language Development Specialist to get individualized coaching.
- Supplemental Instruction (SI)--This program offers a non-remedial approach to learning in historically difficult courses at CMU. It utilizes a peer-led collaborative group study approach to help students succeed & is facilitated by an SI leader, a CMU student who has successfully completed the course. SI offers a way to connect with other students studying the same course, a guaranteed weekly study time that reinforces learning & retention of information, as well as a place to learn & integrate study tools & exam techniques specific to a course. Visit the website to see courses with SI available here.