Course Syllabus

Course Description

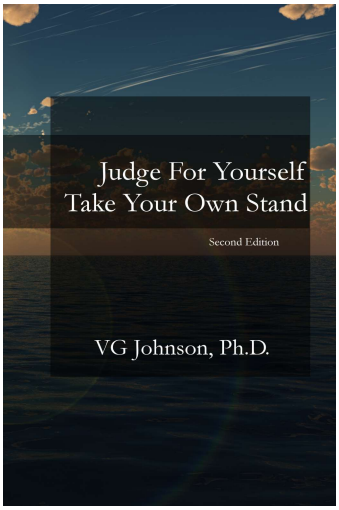
This course is designed to introduce and reinforce processes allowing for the ubiquitous application of critical analysis in everyday activity. During the course attendees will explore five concepts essential for understanding: perspective, bias, correlation, moral influence, and equilibrium. By introducing methods that enable a person to qualify their judgments through quantified means, attendees are able to use a process to make consistent and readily understood and explainable decisions in a complex world.

Course Outcomes

Upon successful completion of this course, the attendee will be able to:

- Compare and contrast both the similarities and differences among the following concepts: perspective, bias, correlation, moral influence, liberty, altruism, and justice
- Apply critical analysis algorithms to quantify the qualification of understanding, decision, and action for any given scenario
- Modify processing weights to tailor the critical analysis algorithms for use by specific individuals and institutions

Textbooks and Materials



Available online at these booksellers:

lulu

(Hardcover)

amazon

(Paperback / eBook)

Prerequisites

This course requires attendees to have access to a device capable of running the latest web browsers available (Firefox, Safari, Chrome, Microsoft Edge, etc.) Internet connectivity is required for successful completion of the course. Math knowledge to the level of basic Algebra and secondary school reading levels are required. Additionally, attendees are expected to have an understanding of basic computer concepts relating to general file management (for the purpose opening/printing/saving files).

Environment

Face2Face (F2F) - The environment is defined by the facilitator of the course.

F2F/Online (HYBRID and SEMINAR) - The attendee is expected to perform the readings, video, and assessed activities of the course at a time/location of the attendee's choosing. Time-based (synchronous) meetings are still required for group activities and discussions. The meetings can take place in a variety of venues from classrooms, conference settings, or via online collaborative sessions.

Asynchronous Online (ONLINE) - The attendee is expected to perform the readings, video, and assessed activities of the course in any location. No time-based (synchronous) meetings are required.

Attendance

Attendance is the responsibility of the attendee. Students may have other priorities in addition to this course. However, attendees may need to keep focus on the deliverables to not fall behind. Unless specified otherwise, completion of this course is optional. The skills practiced and learned are designed to assist in navigating a complex world. The greater the effort to excel in the course, the greater the outcome. Those who proceed through completion will be better for it.

Academic Conduct

Plagiarism and cheating are serious offenses. The purpose for the course is to build and/or enhance a person's skills for performing critical analysis in everyday life. Skills such as critical analysis are essential for a successfully functioning society. In essence, cheating defeats the entire purpose for critical analysis.

Course Time

The course features facilitator-led discussions and activities about past and current scenarios including events, facts, and figures with an emphasis on applying critical analysis to the understanding of the scenarios. This could include exploring the scenario from a historical perspective while repositioning our points of view to take in as many perspectives as possible. Critical analysis is applicable in any industry and domain. While many scenarios in the course are generic by design, other

scenarios can be covered, as time permits, to satisfy domain-specific needs.

Course time is split between discussions, group activities, and individual assignments. In order to get the most out of this course, the attendee should try to join as many meeting sessions as possible. Participants should be prepared to share their viewpoints in an open and honest way so that everyone can learn. Remember, the only potentially "bad" perspective is the one that is not shared.

Online - Online sections are fully asynchronous and group work is minimized. Individual assignments can be completed as time allows. Deliverables are assessed in a timely basis so that attendees can proceed as desired.

Hybrid - Hybrid sections are not fully asynchronous. While individual assignments are designed to be completed as needed, discussions have synchronous, scheduled times. Course attendees are required to attend the scheduled discussions using the tools provided by the facilitator. Group activities are designed to be synchronous. Groups, at the facilitator's discretion, may have the autonomy to decide how best to accomplish group-based activities.

Face2Face - In-person sections of the course are synchronous. Sessions will meet at the predetermined time and place for the duration of the course. Discussions and group activities take place at the location of the currently running course while individual assignments are completed at the discretion of the facilitator.

Activities and Assignments

Activity and assignment deliverables are designed to introduce the attendees to the concepts being explored. Completion of the deliverables is critical for success in the course. All deliverables are distributed via Web browser and it is up to the attendee to ensure that the devices used for completing the deliverable is capable of rendering all necessary components. Attendees will submit their deliverables electronically using the system specified by the facilitator. Deliverables are assessed both by automated means and by the facilitator. In non-Online sections, deliverables are due at date and time specified by the facilitator when assigned. ***Assignments are single-attempt only and cannot be revised (NO corrections)****. Proper planning and consideration should be taken when submitting deliverables as all scores are final. Scores can be maximized by following all instructions, double-checking work, and by putting effort into supplied responses using relevant terminology where appropriate.*

Digital Badges

Provaitech Corporation will grant a Digital Badge to students upon successful completion of the course. The Badges are a type of digital, micro-credential which serves as a testament to a student's academic endeavor and resulting competence. There are different types of credentials in use today. Degrees and diplomas have been awarded to students who complete educational programs at traditional academic institutions. Licenses are granted to individuals in specific professions. Certificates have been granted by various institutions for completion of specific courses of study.

Micro-credentials fill a need for professionals who want to update their skillset with relevant, focused training but who may not have the time needed to attain similar credentials from traditional academic institutions. Students who complete the Steps for Critical Analysis Practiced course with Provaitech Corporation will earn a micro-credential for critical analysis mastery. This micro-credential is represented by a Digital Badge which can be distributed by the earner over the digital/social networks that the earner controls. When displayed on the Web, a Badge allows for the following features:

- the viewer is able to recognize the competence being displayed
- the viewer can view the criteria needed to earn the credential
- the viewer can view the expected outcomes resulting from earning the credential
- the viewer can view the issue date for the credential

Assessment Scale

Score	Assessment	Badge
97.0 - 100	Accomplished	
78.0 - 96.9	Proficient	
67.0 - 77.9	Competent	

Course Schedule

Week	Topics
1	Intro, syllabus, ice breakers, assignments
2	Debrief, Discussion: Perspective, group activities, assignments
3	Debrief, Discussion: Bias, group activities, assignments
4	Debrief, Discussion: Correlation, group activities, assignments
5	Debrief, Discussion: Moral influence, activities, assignments
6	Debrief, Discussion: Equilibrium, group activities, assignments
7	Debrief, Discussion: Algorithms, group activities, assignments
8	Debrief, Discussion: Algorithm weights, activities, assignments
9	Debrief, Final test