

Providence Extension Program

Logic • 2016-2017

Class times • M 12-1pm and 2-3pm

J. Arnold

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Office hours: M/T/R 4-7pm; F 8-9am

Textbook

Introductory Logic (5th edition), James B. Nance, Canon Press (2014), ISBN 978-1-59128-165-8; Introductory Logic Teacher Edition (5th edition), Douglas Wilson and James Nance, Canon Press (2014), ISBN 978-1-59128-167-2

Materials Needed

Notebook paper (loose leaf or in a notebook), pen or pencil

Prerequisites

None

Course description

Logic is the science and art of reasoning well. We live in a time and culture where the logic of man is inconsistent at best and nonexistent at worst. Yet logic is a gift from God that rational humans need to master just like any other aspect of nature. Sound logic stems from a logical and knowable God, and as beings created in His image, we should strive to think and act in logical fashions that bring glory to our Creator. Granted, we must work hard to reverse the effects of the Fall that have tainted even the rational thought processes of the mind. So this course seeks to start students down the path of understanding truth and validity, hypothesis and consequence, sound reason and fallacious conjecture. These things will be explored through Scripture, other readings, debates, and discussion of current events.

Grading Scale and Weights

A:	90 to 100	Homework	20%
B:	80 to 89	Quizzes	20%
C:	70 to 79	Tests	40%
D:	60 to 69	Participation	20%
F:	0 to 59		

Other information

Please make use of the above contact methods for help with homework during the week (including weekends). If you call and there is no answer, please leave a message. Do NOT send texts or contact me via Engrade, please. Whether you send an email or leave a voicemail, please remember that I am teaching all day each weekday, so I might not get to respond immediately.

Class Time

The co-op classes will be as scheduled according to PEP. The class time will be spent discussing important points from the book. Class discussion will be encouraged, and note-taking is highly recommended. Part of the student's grade will be based on his/her efforts to be included in the discussion. Students will have weekly reading assignments from the textbook as well as other sources. Students are expected to be in class on time with the appropriate materials.

Homework

The homework for this course will consist of reading and completing the assigned textbook passages. The assignments are to be completed according to the schedule. Parents will be responsible for checking the homework for correctness, but assignments will be collected according to posted due dates and graded for completeness. It will be necessary to remove the binding from the student textbooks so that only the assigned pages can be turned in when necessary. Please be sure to staple the pages together and have the student's first and last name written at the top of the first page. There will also be a class participation grade (including unexcused absences or tardiness) that will require students demonstrate effort in class (e.g., note-taking). Late homework assignments will only be accepted for excused absences within the following week. Homework will be performed and graded the following way: Students should carefully, thoroughly, and self-critically complete the homework exercises. Students then check the exercises using their brains. Then they present their work to parents, who should initial on each page that all answers have been completed. THEN AND ONLY THEN can parents give students access to the answer key. Students can use the answer key to make corrections to their original work. Do NOT erase old answers, but write the correct ones in a different color ink.

Tests

There will only be one official test per quarter, and is a take-home test that will be sent home near the end of each quarter.

Quizzes

Quizzes will be given at the beginning of most classes. They will focus on the last week's lesson and homework, but will also include review questions.

Quarter	Week #	Date	Content
1	1	8/22/2016	Course Introduction
	2	8/29/2016	Part I: Wrong Reasoning; Unit 5: Informal Fallacies Fallacies of Distraction
	3	9/5/2016	Labor Day
	4	9/12/2016	Fallacies of Ambiguity; Fallacies of Form; Detecting Fallacies
	5	9/19/2016	Part II: Right Reasoning - Terms; Unit 1: Terms & Definitions, Simple Apprehension & Terms, Purposes and Types of Definitions
	6	9/26/2016	Genus and Species; Extension and Intension
	7	10/3/2016	Methods of Defining; Rules for Defining by Genus and Difference
	8	10/10/2016	"Coming to Terms" in Arguments
2	9	10/17/2016	Part III: Right Reasoning - Statements/ Propositions; Unit 2: Statements and Their Relationships; Judgment & Statements/Propositions Self-Supporting and Supported Statements
	10	10/24/2016	Relationships Between Statements; Consistency and Disagreement
	11	10/31/2016	The One Basic Verb; Standard Categorical Statements
	12	11/7/2016	The Square of Opposition; Contradiction
	13	11/14/2016	Contrariety; Subcontrariety
		11/21/2016	Thanksgiving Break
	14	11/28/2016	Subimplication; Superimplication
	15	12/5/2016	"Determining an Author's Message" through Statements/Propositions
16	12/12/2016	Introduction to Deduction	
3	17	1/9/2017	Part IV: Right Reasoning - Arguments/ Syllogisms; Unit 3: Syllogisms & Validity Arguments
	18	1/16/2017	The Syllogism
	19	1/23/2017	The Mood of Syllogisms; The Figure of Syllogisms
	20	1/30/2017	Truth and Validity
	21	2/6/2017	Testing Syllogisms by Counterexample
	22	2/13/2017	Distributed Terms; Testing Syllogisms by Rules
	23	2/20/2017	Unit 4: Arguments in Normal English; Immediate Inferences
	24	2/27/2017	Translating Ordinary Statements
4	25	3/20/2017	Translating Inclusive and Exclusive Statements
	26	3/27/2017	Hypothetical Syllogisms
	27	4/3/2017	Disjunctive Syllogisms; Dilemma; Reductio ad absurdum
	28	4/10/2017	Introduction to Apologetics; Faith and Reason
	29	4/17/2017	Enthymemes; Establishing Conclusions
	30	4/24/2017	Deductive Arguments in Several Steps; Extended Arguments
	31	5/1/2017	Writing the Argumentative Essay
	32	5/8/2017	Presentations; Year-End Review

*Please be advised that this is a tentative schedule. Due dates on EngradePro should be considered the final authority in regards to pacing.