



## 1586 Université Internationale AL-Mustafa du Congo

غرویان، محسن - ۱۳۳۸	سرشناسه:
آموزش منطق: دوره مختصر . فیلیپینی	عنوان قراردادی:
Learning Logic: a short course / by Muhsin Gharawiyān;	عنوان و نام پدیدآور:
translated by Muhammad-‘Ali Savadi, Maryam Savadi.	مشخصات نشر:
Qum: Al-mustafa International Translation and Publication center, 2019=1397.	
نایابنگی جامعه المصطفی ﷺ فیلیپینی .	مرجع تولید:
۱۸۹	مشخصات ظاهری:
۹۷۸-۶۰۰-۴۲۹-۶۲۲-۹	شابک:
فیلیپینی .	وضعیت فهرست نویسی:
منطق -- راهنمای آموزشی؛	یادداشت:
Savadi, Muhammad-‘Ali	موضوع:
سادی، محمدعلی، مترجم؛ ‘Ali	شناسه افزوده:
Savadi, Maryam	شناسه افزوده:
سادی، مریم، مترجم	شناسه افزوده:
جامعه المصطفی ﷺ العالمية .	
مرکز بین المللی ترجمه و نشر المصطفی ﷺ	
BC ۵۹/۴۸۰۴۹۵۷۵ ۱۳۹۷	رده بندی کنگره:
۱۶۰/۰۷	رده بندی دیوبی:
۵۵۸۷۴۹۹	شماره کتابشناسی ملی:

© Al-Mustafa International Publication and Translation Center

### LEARNING LOGIC: A SHORT COURSE

Pagsasama: Muhsin Gharawiyān

Translated by: Muhammad-‘Ali Savadī - Maryam Savadī

Year of publication: 1397 Sh/ 2019

Publisher: Qum: Al-Mustafa International Publication and Translation Center

Printing: Narenjestan - Tehran

Print-run: 500

### آموزش منطق (دوره مختصر)

مؤلف: محسن غرویان  
مترجم: محمد علی سادی و مریم سادی  
ناشر: مرکز بین المللی ترجمه و نشر المصطفی ﷺ  
چاپ اول: ۱۳۹۷ ش / ۱۴۴۰ ق / ۲۰۱۹ تیراژ: ۵۰۰  
قیمت: ۲۹۰۰۰ ریال  
چاپ: تازنجستان

► Alley No. 18, Muallim Gharbi Street (Hujjatiyeh), Qom, Iran  
Tel: +98 25 378 36 134 Tel-Fax: +98 25-37839305-9 (Ext 105)  
► Boulevard Muhammad Ameen, Y-track Salariyah, Qom, Iran  
Tel: +98 25-32133106



<http://buy-pub.miu.ac.ir>



@pub\_almostafa

# **LEARNING LOGIC: A SHORT COURSE**

**Muhsin Gharawiyān**

Translated by:  
**Muhammad-‘Alī Savādī**  
**Maryam Savādī**



Al-mustafa International  
Translation and Publication Center

### **Publisher's Forward**

To begin and execute a research is like walking in the path of development and evolution. When the seeds of the “questions” are planted, in the soil of the mind of the researcher, this phase initiates, and its end is culminated when the result and the outcome of knowledge and wisdom is gained.

Evidently, this end is a new chapter in itself, for growth, and announces beforehand this good news to humans. For the result of all those mental efforts will not only bring the blooming and flowering of talent and all kinds of Blessings to humans, but it also makes the mind of the researcher to ponder and shape new, more questions.

This will produce a great collection of growing plants and flowers for the seeking mind... Those “questions” are in fact, the seeds, which according to the necessities of Time and the strength of the researchers will grow and bloom by themselves. They will make Culture and Civilization to move forward.

In like manner, the increasing rate of transferring oneself from one place to another place and the decrease of the distances will make those seeds travel miles and miles, to faraway places, in order to install them inside the curious mind of other seekers. This will bring an amazing diversity and a novelty for another civilization...

It is true then, that the presence of knowledge and a good, capable management will help this project to develop itself and one has to admit indeed, that it has always played an important role...

Al-Mustafa International Publication and Translation Center, because of its global mission, and its special position among the Religious Schools and the colorful human diversity that it has developed inside itself, sees it as a moral duty to procure all the appropriate conditions for any research works, and takes its role in this matter, most seriously. To procure all kinds of necessary grounds, with an excellent management of all the existing possibilities and talents, and to care and protect all its researchers in religious fields; these are the most crucial responsibilities of the Department of Research in this International center.

We dearly hope that by being attentive to all these autonomous scientific movements, and by fortifying all the existing motives, we shall be able to witness the blooming of the Religious Culture in every part of this wide world!

# Table of Contents

Preface .....	1
Lesson 1 .....	3
<b>The Necessity for Learning Logic.....</b>	<b>3</b>
Thinking .....	3
Thinking as Man's Advantage over Animals.....	3
Occurrence of Mistake in Thinking .....	4
Logic as the Appraiser of Thinking .....	4
Review Questions .....	5
Review Questions .....	5
Lesson 2 .....	7
<b>The Subject of Logic.....</b>	<b>7</b>
Types of Knowledge and Ignorance: Conception (taşawwur) and Assent (taşdīq) ..	8
Conceptual Ignorance (jahl taşawwurī) and Assenting Ignorance (jahl taşdīqī) ..	8
Axiomatic Knowledge ('ilm darūrī) and Cognitive Knowledge ('ilm nazarī).....	9
Way of Attaining Conceptual Unknown (majhūl taşawwurī) and Assenting Unknown (majhūl taşdīqī) .....	10
Review Questions .....	12
Practical Exercises .....	12
Lesson 3 .....	13
<b>The Usage and Definition of Logic as Instrumental Science.....</b>	<b>13</b>
The Usage of Logic .....	13
Logic as an Instrumental Science .....	14
Definition of Logic .....	14
Questions .....	16
Practical Exercise.....	16
Lesson 4 .....	17
<b>The Formulator of Logic.....</b>	<b>17</b>
Inherent Logic and Organized Logic .....	17
The Formulator of Logic.....	18
Dispelling a Doubt .....	18

Questions .....	20
Practical Exercise.....	20
<b>Lesson 5 .....</b>	<b>21</b>
<b>A Discussion on Expressions (alfāz) in Logic .....</b>	<b>21</b>
Peculiarities of Word-related Discussions in Logic .....	22
Signification (dalālah).....	22
Division of Signification into Verbal (lafzī) and Non-verbal (ghayr lafzī).....	23
Different Kinds of Verbal Signification.....	23
Questions .....	24
Practical Exercise.....	24
<b>Lesson 6 .....</b>	<b>25</b>
<b>Classifications of Words.....</b>	<b>25</b>
First Classification .....	25
Second Classification.....	26
The Third Classification .....	27
Kinds of Compound.....	27
Kinds of Perfect Compound.....	28
Kinds of Singular Words .....	28
Questions .....	29
Practical Exercise.....	29
<b>Lesson 7 .....</b>	<b>31</b>
<b>Concept and Referent – Universal and Particular.....</b>	<b>31</b>
Concept (mafhūm) .....	31
Referent (miṣdāq) .....	31
Division of Concept into Universal (kullī) and Particular (juz'ī) .....	32
Universal Concept.....	32
Particular Concepts .....	32
Relative Particular Concept .....	33
Questions .....	34
Practical Exercise.....	34
<b>Lesson 8 .....</b>	<b>35</b>
<b>Four Relationships.....</b>	<b>35</b>
Pictorial and Symbolic Representations of the Relationships .....	36
Relationships between Contradictries of Two Universal Concepts .....	37
Questions .....	40
Practical Exercise.....	40

<b>Lesson 9 .....</b>	<b>41</b>
<b>The Five Universals .....</b>	<b>41</b>
Definitions of the Five Universals .....	44
Questions .....	45
Practical Exercise.....	45
<b>Lesson 10.....</b>	<b>47</b>
<b>Divisions of Five Universals .....</b>	<b>47</b>
Divisions.....	47
Differentia as Constituent of Species and Divider of Genus.....	49
Accidental: Necessary, Separable .....	50
Questions .....	52
Practical Exercise.....	52
<b>Lesson 11 .....</b>	<b>53</b>
<b>Definition and Its Types .....</b>	<b>53</b>
Introduction.....	53
Kinds of Definition .....	54
Definition (hadd) and Description (rasm).....	54
Complete and Incomplete Definition .....	55
Conclusions.....	55
Complete Description and Incomplete Description .....	56
Conclusions.....	57
Questions .....	58
Practical Exercise.....	58
<b>Lesson 12.....</b>	<b>59</b>
<b>The Rules of Definition.....</b>	<b>59</b>
Purpose of Definition.....	59
The Five Rules of Definition .....	60
First Rule .....	60
Second Rule .....	60
Third Rule .....	61
Fourth Rule .....	62
Fifth Rule .....	62
Questions .....	64
Review Questions .....	64
<b>Lesson 13 .....</b>	<b>65</b>
<b>Proposition and Its Kinds .....</b>	<b>65</b>

Definition of Proposition (qađiyah) .....	65
Kinds of Proposition: Attributive (hamaliyyah) and Conditional (shartiyah) .....	66
Conjunctive and Disjunctive Conditional Propositions .....	67
Kinds of Propositions: Positive (mūjibah) and Negative (sālibah) .....	67
Some Related Terms .....	68
Questions .....	69
Practical Exercise.....	69
<b>Lesson 14.....</b>	<b>71</b>
<b>Attributive Proposition and Its Kinds .....</b>	<b>71</b>
(a) Individual (shakhṣiyyah), Natural (ṭabī‘iyyah), Indefinite (muḥmalah), and Exclusive (maḥṣūrah) .....	71
(b) Division of Affirmative Attributive [Proposition] into Mental (dhihniyyah), Actual (khārijīyyah) and Real (haqīqah).....	72
(c) Indefinite (ma‘dūlah) and Determined (muḥaṣṣilah).....	73
Some Remarks .....	74
Questions .....	75
Practical Exercise.....	75
<b>Lesson 15.....</b>	<b>77</b>
<b>Modals .....</b>	<b>77</b>
Three Modalities in Attributive Propositions.....	77
Modes in the Attributive Propositions .....	78
Kinds of Modal Propositions .....	79
Simple Modal Proposition .....	79
Compound Modal Propositions .....	82
Divisions of Attribution .....	82
1. Natural (ṭabi‘ī) and Conventional (waḍī‘ī) Attributions .....	82
2. Derivative (ishtiqāq) and Non-derivative (muwātāh) Attribution.....	83
3. Primary Essential (awwalī dhātī) and Common Technical (shāyi‘ ṣanā‘ī)	
Attribution.....	83
Questions .....	85
Practical Exercise.....	85
<b>Lesson 16.....</b>	<b>87</b>
<b>Conditional Proposition and Its Divisions .....</b>	<b>87</b>
1. Individual (shakhṣiyyah), Indefinite (muḥmalah) and Exclusive (maḥṣūrah) Propositions .....	87
2. Concomitant (luzūmiyyah) and Coincidental (ittifāqiyyah) Conjunctive (muttaṣilah) Conditional Proposition .....	89

3. Contrary ('anādiyyah) and Coincidental (ittifāqiyyah) Disjunctive (munfaṣilah) Propositions .....	89
4. Real (haqīqiyyah), Mutually Exclusive (māni‘at al-jam‘) and Totally Exclusive (māni‘at al-khaluw) Disjunctive Propositions.....	90
Questions .....	91
Practical Exercise.....	91
<b>Lesson 17 .....</b>	<b>93</b>
<b>The Four Relationships among the Propositions .....</b>	<b>93</b>
Relation of Contradiction.....	93
Nine-fold Unity in Contradiction .....	94
Relationshipship of Opposition.....	96
Subcontrary .....	96
Subaltern .....	97
Questions .....	98
Practical Exercise .....	98
<b>Lesson 18 .....</b>	<b>99</b>
<b>Conversion ('aks).....</b>	<b>99</b>
Simple Conversion.....	99
Contraposition.....	100
Questions .....	102
Practical Exercise.....	102
<b>Lesson 19 .....</b>	<b>103</b>
<b>Argumentation and Its Kinds .....</b>	<b>103</b>
Argumentation and the Mechanism of Each of Its Types .....	103
Syllogism .....	105
Kinds of Syllogism .....	105
Questions .....	107
Practical Exercise.....	107
<b>Lesson 20 .....</b>	<b>108</b>
<b>Conjunctive Syllogism .....</b>	<b>108</b>
Some Terms .....	108
Attributive and Conditional Conjunctive Syllogisms .....	109
Four Figures of Conjunctive Syllogism .....	109
Conditions of Conclusion .....	110
Conditions of the First Figure .....	110
Conclusive States in the First Figure .....	111

Rule.....	112
Questions .....	113
Practical Exercise.....	113
<b>Lesson 21.....</b>	<b>115</b>
<b>Conjunctive Syllogism: The Second, Third and Fourth Figures .....</b>	<b>115</b>
Second Figure .....	115
Conditions of the Second Figure.....	115
Conclusive States in the Second Figure .....	116
Third Figure .....	117
Conditions of the Third Figure .....	117
Conclusive Moods in the Third Figure .....	117
Fourth Figure .....	119
Conditions of the Fourth Figure.....	119
Conclusive Moods in the Fourth Figure .....	119
Questions .....	121
Practical Exercise.....	121
<b>Lesson 22.....</b>	<b>122</b>
<b>Exceptive Syllogism .....</b>	<b>122</b>
Premises of Exceptive Syllogism.....	122
Kinds of Exceptive Syllogism .....	123
Conjunctive Exceptive Syllogism and the Mechanism of Its Inference.....	124
Disjunctive Exceptive Syllogism and the Mechanism of Its Inference.....	125
Exceptive Syllogism by Using Real Disjunctive .....	126
Exceptive Syllogism by Using Exclusive Disjunctive .....	126
Exceptive Syllogism by Using Disjunctive Negation .....	127
Questions .....	128
Practical Exercise.....	128
<b>Lesson 23.....</b>	<b>129</b>
<b>Induction and Analogy .....</b>	<b>129</b>
Induction (istiqrā') .....	129
Kinds of Induction .....	130
Analogy.....	131
Pillars of Analogy .....	132
Epistemological Value of Analogy .....	132
Questions .....	134
Practical Exercise.....	134
<b>Lesson 24.....</b>	<b>135</b>

<b>The Five Skills .....</b>	<b>135</b>
Importance of the Five Skills .....	135
Content and Form .....	136
Contents of Reasoning .....	137
Some Notes .....	137
Questions .....	139
Practical Exercise.....	139
<b>Lesson 25 .....</b>	<b>140</b>
<b>Premises of the Skills .....</b>	<b>140</b>
1. Evident Premises.....	140
a. Observable Data.....	141
b. Empirical Premises .....	141
c. Transmitted Premises .....	142
d. Intuitive Intellections .....	142
e. A Priori Data .....	143
f. Presumed Premises .....	144
g. Well-known Premises .....	144
2. Imagined Premises .....	145
3. Admitted Premises .....	145
4. Accepted Premises .....	145
5. Outwardly True Premises .....	146
6. Imaginative Premises .....	146
Questions .....	148
Review Questions .....	148
<b>Lesson 26 .....</b>	<b>149</b>
<b>Proof (burhān) .....</b>	<b>149</b>
Definition .....	149
Division of Proof into A Priori and A Posteriori Demonstrations .....	150
The Value and Importance of Proof .....	151
The Purpose and Benefit of Proof .....	152
Questions .....	153
Practical Exercise.....	153
<b>Lesson 27 .....</b>	<b>154</b>
<b>Dialectics (jadāl) .....</b>	<b>154</b>
Definition and Benefit of Dialectics .....	155
Some Terms .....	155
Thesis .....	155
Stance.....	155

Contents and Tools of Dialectics .....	156
Etiquettes of Disputation.....	157
Questions .....	159
Practical Exercise.....	159
<b>Lesson 28.....</b>	<b>160</b>
<b>Fallacy (mughāliṭah).....</b>	<b>160</b>
Importance and Necessity of Fallacy .....	160
Some Examples.....	160
Substance of Fallacy .....	161
Internal and External Elements of Fallacy .....	161
Fallacy in Diction and Semantic Fallacy .....	162
Questions .....	164
Practical Exercise.....	164
<b>Lesson 29.....</b>	<b>165</b>
<b>Semantic Fallacy .....</b>	<b>165</b>
1. Fallacy of Converse Accident.....	165
2. Fallacy of Non-inherent Pro-inherent .....	166
3. Fallacy of Accident .....	166
4. Fallacy of Rigged Question .....	166
5. Fallacy of False Cause .....	167
6. Fallacy of Petitio Principii .....	167
7. Fallacy of Non-cause Pro-cause.....	168
Tactics and Styles of Sophists (External Elements).....	168
Questions .....	169
Practical Exercise.....	169
<b>Lesson 30.....</b>	<b>170</b>
<b>Rhetoric (khaṭābah) and Poetry (shi‘r) .....</b>	<b>170</b>
Forms of Composition of Rhetoric .....	171
Conditions of an Accomplished Orator .....	171
Poetry .....	173
Benefits of Poetry .....	173
Questions .....	175
Practical Exercise.....	175