Course Syllabus

1.	**Program of Study**	Bachelor of Science Program
		Bachelor of Arts Program
		Bachelor of Business Administration Program
		Bachelor of Nursing Science Program
	Faculty/Institute/College	Mahidol University International College

2. **Course Code** ICHM 103
Course Title Introduction to Logic

3. **Number of Credits** 4 (4-0-8) (Lecture/Lab/ Self-study)

4. **Prerequisite** *(s)* ICCM 105 (recommended)

5. **Type of Course** General Education Course

6. **Trimester / Academic Year** Every trimester

7. **Conditions** -

8. **Course Description**

Elementary principles of argument: characteristics that distinguish arguments from non-arguments; uses of language in argument; forms of agreement and disagreement; informal fallacies of reasoning; principles of definition; defective reasoning; inductive reasoning and its application to scientific methodology.

9. **Course Objective** *(s)*

This course will introduce some of the fundamental principles of logic: the structure of argument, the difference between argument and explanation, the various types of informal fallacies, features of good definition, the difference between deductive and inductive argument, the various types of deductive argument, (categorical and prepositional syllogisms) the nature of validity, and so on. But one of the overall objectives is to enable students to become better readers and writers of the English language. This course will contribute towards the student's skills in these crucial areas.

10.   Course Outline

Week	Topics	Hour			Instructor
		Lecture	**Lab**	**Self-Study**	
1	Introduction to the course. Preliminary discussion of	4	0	8	Assigned Section Instructor
2	argumentation	4	0	8	"
3	Recognizing argument; diagramming	4	0	8	"
4	arguments	4	0	8	"
5	Deduction and Induction; The uses of	4	0	8	"
6	language	4	0	8	"
7	Kinds of Agreement and	4	0	8	"
8	Disagreement	4	0	8	"
9	Informal Fallacies	4	0	8	"
10	Informal Fallacies	4	0	8	"
11	Mid-term exam on all topic discussed so far in the course Definition; Disputes Deduction; Categorical syllogisms Existential Import, Venn Diagrams, Fallacies Propositional Logic: disjunctives and hypothetical syllogisms Induction Cause and Effect	4	0	8	"
	Total	**44**	**0**	**88**	
Final Examination					

N.B. The instructor reserves the right to change topics when appropriate.

11.   Teaching Method *(s)*

11.1 Lecture

11.2 Discussion
11.3 Quiz

12. **Teaching Media**
   12.1 Texts and Teaching Materials
   12.2 Transparencies
   12.3 Power Point Presentation

13. **Measurement and evaluation of student achievement**
   Student achievement is measured and evaluated by
   13.1 the ability to understand the fundamental principles of logic: the structure of argument, the difference between argument and explanation, the various types of informal fallacies, features of good definition, the difference between deductive and inductive argument, the various types of deductive argument, (categorical and prepositional syllogisms) the nature of validity, and so on. But one of the overall objectives is to enable students to become better readers and writers of the English language. This course will contribute towards the student's skills in these crucial areas.
   Student's achievement will be graded according to the faculty and university standard using the symbols: A, B+, B, C+,C,D+, D, and F.
   Students must have attended at least 80% of the total class hours of this course.
   MUIC standard grading criteria: 90% and above is grade A
   Ratio of mark
   1. Attendance   10%
   2. Mid-term exam   45%
   3. Final Examination   45%

   Assessment made from the set-forward criteria. Students who get 80% up, will have Grade A.

14. **Course evaluation**
   14.1 Students' achievement as indicated in number 13 above.
   14.2 Students' satisfaction toward teaching and learning of the course using questionnaires.

15. **Reference** *(s)*
   To be announced

16. **Instructor** *(s)*
   Dr. Charles Freeland
   Dr. Eugene Jones
   (each instructor teaches one or more sections)

17. **Course Coordinator**
   Dr. Charles Freeland