

MAT 699, DePaul University
Topics in Mathematics: Logic and the
Secondary Mathematics Curriculum

This course will focus on the role of logic in mathematical reasoning and its relationship with the secondary mathematics curriculum. There are two main learning goals: (1) Understanding basic notions of formal logic; and (2) Understanding the various ways logic is used in the secondary mathematics curriculum, especially in the analysis of mathematical situations and in mathematical explanation and justification. For the first goal, the book *Language, Proof, and Logic, 2nd edition*, and its associated computer software will be used. For the second goal, the following topics will be explored: the role and use in secondary mathematics of variables, expressions, equations, quantifiers, definition, proof, and truth (of a sentence in a mathematical structure).

Please follow the instructions below to register for this class. NOTE: You do NOT have to pay the \$40 application fee – DePaul has generously waived this for CTTI teachers. If you do pay it, it cannot be refunded.

DePaul University Winter Quarter 2012

Registration Instructions for CTTI Participants

Welcome to DePaul University. Below please find instructions and information regarding your upcoming course work at the university.

Applying On-Line to DePaul as a Non-Degree Seeking Graduate Student

In order to be enrolled in the courses at DePaul, you need to formally apply to the university as a non-degree seeking graduate student. Once a student, you will be issued a university ID card which will allow you access to the Library as well as countless other services. We recommend you look around the university's web site to learn more.

* **Note** – if you have taken courses at DePaul in the last 12 months, you do not need to follow these application steps. If this is the case, please email Victoria Simek at vsimek@depaul.edu so that she is aware of this.

Please complete this process by Friday, December 16. Winter Quarter begins January 2, 2012.

Step One: Setting up an account to apply on-line

Go to the DePaul web site at www.depaul.edu/apply
You will be taken to the **Online Application Center** and asked to create an account.

Step Two: Completing the Application

The \$40 application fee has been waived. You **DO NOT** need to pay this fee. If you pay it, it cannot be refunded.

Follow the step-by-step instructions on the form. You will be asked to choose from several drop-down menus, most of which are self-explanatory, but here are some prompts.

For Academic Level – choose **Graduate**

For Admission Type – choose **Non Degree-seeking Student (personal interest)**

For Entry Term – choose **2011-2012 Winter Quarter**

For School/College – choose **College of Science and Health**

Finally, on the screen where you are asked “State briefly in a sentence or two your reason for applying,” please write **“I am participating in the CTTI Program.”**

When you are done, make sure to HIT SUBMIT. We recommend you print as you go, or print the confirmation page for your records.

Transcripts – you will need to provide an **official** transcript from your undergraduate degree-granting institution, as well as from any other schools you list in your application. We understand that this may take a few weeks so please start this process immediately. Transcripts are due no later than January 27, 2012. Have your transcripts mailed to:

DePaul University - LA&S Graduate Admissions Office
Attn: Scott McKay
2400 N Sheffield, Chicago, IL 60614

Step Three: Notify DePaul

Once you have applied on-line, please email Victoria Simek at vsimek@depaul.edu to let her know, so that she can notify the Graduate Admissions Office to look for your materials. Once your application has been received by the Graduate Admissions Office, they will email you further instructions and information including your DePaul ID number and instructions on how to obtain your ID card.

Course Registration

Once you have been matriculated, either our offices will register you for the course, or we will let you know how to go on-line to do this yourself. However, please **DO NOT** register for the course before we tell you to. Doing so will result in the generation of tuition bills and the assessment of late fees.

If you have any questions about the application process, please contact Victoria Simek at 773.325.4790 or vsimek@depaul.edu.