



# Syllabus of Linguistics Olympiad Training Course

## (语言学奥林匹克教学大纲)<sup>1</sup>

PROFESSOR CHEN EDUCATION PALACE (陈教授教育学院)

This Version: May 03, 2023 (这个版本: 2023 年 5 月 3 日)

### OBJECTIVES (教学目标)

We expect students to achieve the following objectives after taking this course:

(学生通过我们的课程培训可以实现以下目标)

1. Master most problem-solving skills to analyze the greatest number of NACLO Open Round (first round) and Invitational Round (second round) problems.  
(掌握用于解答绝大部分NACLO第一轮公开赛和第二轮晋级邀请赛题目的解题技巧)
2. Advance to the Invitational Round (second round) of NACLO.  
(晋级NACLO的第二轮邀请赛)
3. Do well in the Invitation Round (second round) of NACLO. Target at qualifying to be on the U.S. or Canada training camp for the International Linguistics Olympiad (IOL).  
(在NACLO第二轮邀请赛中取得好成绩, 并且希望实现晋级美国或者加拿大国家队的目标)

---

<sup>1</sup> Copyright © Professor Chen Education Palace. All Rights Reserved. No part of this document may be copied or reproduced without the written permission of Professor Chen Education Palace. (该版权属于陈教授教育学院。陈教授教育学院保留所有的权利。未经陈教授教育学院的允许, 任何个人或机构不允许复制、截取、使用该文件。)



## PREREQUISITES (课前准备)

Prior to taking this Olympiad training course, students do NOT need to have any linguistic knowledge, or master any specific language beyond the language that the Olympiad problems are written (English for NACLO), or have taken any other math and science Olympiad tests (such as AMC, F=ma, USACO). Students are only expected to have a good foundation in logical reasoning.

(学习本课程之前，学生不需学过语言学，也不需要学习外语，也不需要参加过其他类别奥林匹克比赛，例如 AMC, F=ma, USACO。学生参加本课程只需要有基本逻辑理智基础)

## DURATION (总课时)

This is a 20-hour course (全课程总计 20 小时).

## TEXTBOOKS (教材)

We use our own course packet developed by Professor Chen Education Palace (我们用陈教授教育学院亲自编写的教材).

## COURSE CONTENTS (教学内容)

### Module 1: Morphology and Syntax (第一模块：词法与句法)

1. Introduction to Morphology (词法学介绍)
  - (a) Lexemes and Forms (词位与形式)
  - (b) Inflection and Derivation (屈折变化与派生变化)
  - (c) Morphological Typology (构词分类)
2. Formal Problems (形式题)
3. Introduction to Syntax (句法学介绍)



- (a) Interlingual variations in word order (语言之间的语序区别)
- (b) Intralingual variations in word order (语言之中的语序变种)
- 4. Translation problems (翻译题)
  - (a) Analyzing purely syntactical translation problems (纯句法系翻译题分析)
  - (b) Analyzing translation problems with morphological elements (含词法系翻译题分析)
- 5. Semantic Problems (语意题)
  - (a) Analyzing semantic problems
- 6. Numeric Problems (数字题)
  - (a) Radices and the positional system (底数与进位制)
  - (b) Analyzing purely numeric problems (纯数字题分析)
  - (c) Analyzing arithmetic numeric problems (算术题分析)

## **Module 2: Scripts and Sounds (第二模块：文字与音系)**

- 1. Introduction to Phonology (音系学介绍)
  - (a) Basic Phonetics (语音学基础)
  - (b) Phonological analysis (音系分析)
- 2. Analyzing prior problems with morphophonologic ideas (分析含词法音系规律的题)
  - (a) Formal problems (形式题)
  - (b) Translation problems (翻译题)
- 3. Phonological problems (音系题)
- 4. Scripts and orthographical problems (文字与文字题)
  - (a) Types of script (文字系统类型)
  - (b) Other differences between scripts (文字系统其他区别)
  - (c) Analyzing orthographical problems (文字题分析)

## **Module 3: Miscellaneous topics (第三模块：杂项)**



1. Computational problems (计算性问题)
2. Relational problems (关系性问题)
  - (a) Analyzing Familial problems (家谱问题分析)
  - (b) Analyzing Directional problems (定向性问题分析)
3. Other (其他问题)

