

## Introduction to Computational Linguistics and Digital Humanities

1. 课堂讲授学时 **Lecture Hours:** 16
2. 课堂实验学时 **Laboratory Hours:** 8
3. 课下研讨学时 **Colloquium Hours:** 8
4. 学生课下投入学时 **Individual Study Hours:** 4
5. 学分 **Credits:** 2
6. 开课学年学期 **Occurrence:** Summer Course 2026 (July)
7. 先修课程 **Prerequisite(s):** Basic knowledge of linguistics (recommended, not required);  
Basic computer literacy (recommended, not required)
8. 课程概要 **Course Description:**

This course introduces fundamental concepts and methods of computational linguistics and digital humanities. Topics include corpus linguistics, text processing, digital tools for language analysis, and cross-cultural digital research. Students will explore German-Chinese comparative studies through hands-on projects.
9. 课程预期学习成果 **Course Outcomes:**

By the end of this course, students will be able to:

  - (1) Understand core concepts in computational linguistics and digital humanities.
  - (2) Apply basic corpus-based methods to analyze German language data.
  - (3) Try to use digital tools for text processing.
  - (4) Design a small-scale digital humanities project and present the project concept in German.
10. 教学内容与学时分配 **Course Content, Laboratories and Laboratory Hours** (有则填, 没有则不填), **Colloquia Hours** (有则填, 没有则不填)

Week	Topic	Teaching Format	Class Hours
1	Introduction: Digital Humanities & Computational Linguistics	Lecture + Lab	4
1	Corpus Linguistics: Principles & Tools	Lecture + Lab	4
1	Text Processing for German Data	Lecture + Lab	4
1	Project Brainstorming & Group Formation	Lecture + Lab	4
2	German-Chinese Media Discourse Comparison	Colloquium+Lab	4
2	Social Media Language Analysis	Colloquium + Lab	4
2	Cross-Cultural Digital Research Methods	Colloquium + Lab	4
2	Final Project Presentation & Evaluation	Lecture	4

### 11. 考核与成绩评定 Grading:

Individual Academic Assignments: 25%

Group project proposal: 20%

Final group project presentation & report: 40%

Course Summary and Reflections: 15%

### 12. 教材，参考书 Text & Reference Book:

(1) Fotis Jannidis/Hubertus Kohle/Malte Rehbein: Digital Humanities: Eine Einführung. Stuttgart: Metzler Verlag, 2017. (ISBN: 9783476026224)

(2) 彭青龙/都岚岚. 数字人文导论. 上海: 上海交通大学出版社, 2024. (ISBN: 9787313301000)

(3) Kai-Uwe Carstensen/Christian Ebert/Cornelia Ebert/Susanne J. Jekat/Ralf Klabunde/Hagen Langer: Computerlinguistik und Sprachtechnologie. Eine Einführung. 3. Auflage. Heidelberg: Spektrum Akademischer Verlag, 2010. (ISBN: 9783827420237)

### 13. 编写教师 Course Lecturer: 汪亚利

编写教师 Course Lecturer (签字):

汪亚利

---