COURSE: Chinese 782. Chinese Phonology
Class No. & Credit Hours: 26592 3 credits. G
Prerequisites: Chinese 680 or 681, or permission of instructor
Course page: http://people.cohums.ohio-state.edu/chan9/c782.htm

TIME & PLACE: F 1:30 - 4:18 p.m.
351 Hagerty Hall (1775 College Road)

OFFICE HOURS: T 3:30 - 5:00 p.m., or by appointment
Office: 362 Hagerty Hall (1775 College Road)
Tel: 292.3619 (292.5816 for messages, 292.3225 for faxes)
E-mail: chan.9 @ osu.edu

MC's Home Page: people.cohums.ohio-state.edu/chan9
MC's ChinaLinks: ChinaLinks.osu.edu

TEXTBOOKS

2. Additional Readings:
Additional readings are typically e-journal articles that can be retrieved from OSU Libraries' online catalog. First, go to Ohio State University Libraries <library.osu.edu>, and scroll down to “Online Journals.” Either enter a search or click on the link to "Online Journals List" to find the relevant e-journal title. Alternatively, go to OhioLINK's Electronic Journal Center (EJC) to locate the e-journal. Other readings, scanned to PDF format by Electronic Reserves, will be available for downloading from Carmen.osu.edu under the current course. Additional readings will be made available during the course.
Thompson (Main) Library Reserve and Electronic Reserves:
Some reference books will be placed in Closed Reserve at Thompson (Main) Library (loan periods may vary) during the quarter, among them being the textbook (4-hour loans). (Note: Reserved materials in Closed Reserve are for the specified quarter only.)

Check Ohio State University Libraries <library.osu.edu> for an online list of books and readings placed on Reserve for Chinese 782. Under FIND in the menu bar, select COURSE RESERVES, and then choose either “Print Reserves by Course” or “Print Reserves by Professor.” Readings in PDF format prepared by OSU Libraries for e-Reserve can be retrieved under this course in Carmen.

COURSE DESCRIPTION
Chinese 782 investigates the phonological structure of modern (Mandarin) Chinese. Other Chinese dialects may also be included for comparative purposes.

COURSE OBJECTIVES & EXPECTED OUTCOMES
This course serves as a further, more in-depth study of the phonetics and phonology of modern (Mandarin) Chinese beyond the introductory level (Chinese 680). Students are also introduced to some issues in Chinese phonetics and phonology from cognitive and functional perspective to prepare them for graduate seminars and further investigation into Chinese phonetics and phonology for linguistic purposes, or for more applied linguistic purposes in second language acquisition. Dialects of Chinese may also be included for cross-linguistic and comparative purposes.

Students are expected at the end of the course to have gained a solid understanding of the phonological structures and phonetic (articulatory and acoustic) properties of modern (Mandarin) Chinese, in order that they can use their knowledge for more advanced studies and research.

COURSE CONTENT
The course will be conducted through lectures combined with class discussions of assigned readings and other class activities (e.g., acoustic analyses of speech sounds, individual and small-group assignments, etc.). Course work includes students’ presentation of one of the readings, their homework assignments, and their research results prior to submission of their term paper.

STUDENT RESPONSIBILITIES
1. Read and reflect on all assigned readings prior to class lectures and discussion.
2. Attend class regularly, and punctually.
3. Participate actively in class discussions and other class activities, including presenting and reporting on homework assignments.
4. Submit 2 short homework assignments (about 5 double-spaced pages, plus references, and accompanying sound files or other data as needed).[1]
5. Explore the literature on Chinese phonetics and phonology, and select one article for presentation and class discussion. (Scheduling of topics and readings will be finalized during the first few weeks of class, after students have selected their article.)
6. For the term paper project:
   o Turn in a one-page, double-spaced, term paper proposal with select references in Week 6. Submit a digital copy to the Dropbox for the course at Carmen.osu.edu.
   o Present an oral version of some key findings from the research project at the end of the quarter.[2]
   o Submit a short term paper in hardcopy and digital format (about 8 pages, double-spaced, not including references and other supporting materials such as images (e.g., charts and figures), sound files, appendices, etc.[3]

7. All course assignments in digital format are to be uploaded to your Dropbox in Carmen.osu.edu under Chinese 782.

[1] These are hands-on, data-driven analyses and written responses to specific questions from the instructor based on the readings. The assignments should be submitted in hardcopy format and in digital format (DOC(X) or PDF format).

[2] Prepare a digital file in PowerPoint format for a PowerPoint presentation in class.

[3] Submit the term paper in hardcopy format and in digital format (DOC(X) or PDF). (If some other digital format is used, be sure to discuss it with the instructor first.)

(Note: For students enrolling for an extra 2 credits under Chinese 693, submit a lengthier research paper, or a third homework assignment (designed by the student with approval from the instructor).)

DISABILITY SERVICES

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue (Tel: 292.3307. TDD: 292.0901)

ACADEMIC INTEGRITY (ACADEMIC MISCONDUCT)

Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Failure to follow the rules and guidelines established in OSU's Code of Student Conduct may constitute “Academic Misconduct.” OSU's Code of Student Conduct (section 3335-23-04 Prohibited conduct) defines as academic misconduct “[a]ny activity that tends to compromise the academic integrity of the university, or subvert the educational process.” Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, possession of unauthorized materials during an examination, and submission of the same work for credit in two (or more) courses. Ignorance of the University's Code of Student Conduct is never considered an “excuse” for academic misconduct; hence, be sure to review the sections dealing with academic misconduct in the Code of Student Conduct. Be sure also to read the University's Ten Suggestions for Preserving Academic Integrity and/or the Eight Cardinal Rules of Academic Integrity (from Northwestern U.). The University's policy on academic misconduct will be enforced in accordance with Faculty Rule 3335-5-54, and all alleged cases of academic misconduct will be reported to the Office of Academic Affairs' Committee on Academic Misconduct (COAM) for resolution. In addition, graduate students should be familiar with the Graduate Student Code of Research and Scholarly Conduct (pdf). Students with questions concerning the University's policies or questions concerning academic or research misconduct are encouraged to ask the instructor any time during the quarter.
GRADING
There will be no midterm or final examination. Grading will be based on:

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<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tr>
<td>Class discussions/participation/in-class assignments</td>
<td>30%</td>
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<tr>
<td>Presentation and discussion of article/reading</td>
<td>10%</td>
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<tr>
<td>Homework assignments (2)</td>
<td>20%</td>
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<tr>
<td>Research project (all phases)</td>
<td>40%</td>
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100%

SCHEDULE
Classes are held on Fridays.  
*The schedule of topics below may be revised subject to changes in students’ choices of articles for presentation.*

**WEEK 1**

4/01 Orientation and introduction
- Orientation, Carmen, Carmen Wiki, etc.
- Introduction to phonetics and phonology
- Brief introduction to phonetics and phonology in the past century
- International Phonetic Alphabet (IPA) - Overview and review

In-class reading and discussion:
- Chan (2003) ~ skim
- Chelliah and de Reuse (2011), Ch. 10 ~ skim

**WEEK 2**

4/08 Modern Standard Chinese
- Overview of modern standard Chinese
- Audio-recording and sound-editing
- Speech analysis and transcriptions using Praat

Readings:
- Lin (Ch. 1 & 6)
- Speech Analysis Tutorial & Demo
### WEEK 3

**4/15 Consonants**
- Articulatory and acoustic properties; x-ray tracings
- Speech analysis using Praat; analyzing waveforms and reading spectrograms

Readings:
- Lin (Ch. 2)
- Ladefoged and Wu (1984)
- Peng (1993)

### WEEK 4

**4/22 Vowels, Glides, and Syllable Structure**
- Articulatory and acoustic properties; x-ray tracings
- Speech analysis using Praat; formant-plotting and vowel charts

Readings:
- Lin (Ch. 3 & 5)
- 1:30 PM. Guest Speaker: Jing Yang (Ph.D. Candidate, Speech & Hearing Sciences, OSU) "Perception of English vowels by monolingual and bilingual Mandarin listeners"

**Due: Homework Assignment 1.**

### WEEK 5

**4/29 Tones: Production, Perception and Mergers**
- Speech analysis using Praat and Wavesurfer

Readings:
- Lin (Ch. 4)
WEEK 6

5/06 Segmental and Syllable-Based Processes

Readings:
- Lin (Ch. 7 & 8)
- Tseng (2005)
- Peng et al. (2005)

Due: One-page project proposal and select references.

WEEK 7

5/13 Prosody: Tone Sandhi & Other Tonal Processes, Stress and Intonation

Readings:
- Lin (Ch. 9 & 10)
- Zhang and Lai (2010)

- 1:30 PM. Guest Speaker: Dr. Puisan Wong (Research Scientist, College of Medicine, OSU)
  “Acquisition of Mandarin disyllabic tones by children”

- 2:30 PM. Guest Speaker: Visiting Assistant Professor Amanda Miller (Dept. of Linguistics, OSU)
  “Studying click consonant production with the Corrected High frame rate Anchored Ultrasound with Software Alignment (CHAUSA) method: Phonological implications.”

Due: Homework Assignment 2.

WEEK 8

5/20 Issues & Topics in Phonology I: Orthography, Near Mergers, and Language Change

Readings:
- Ziegler, Tan, Perry & Montant (2000)
- Yu (2007)
WEEK 9

5/27  Issues and Topics in Phonology II:  Tone, Intonation and Other Phonomena

Readings:
- Lin (Ch. 12)
- Chan & Chey (2011)

WEEK 10

6/03  Student Presentations

WEEK 11:  EXAM WEEK

Term paper due: Tuesday, 7 June 2011, 12:00 noon

READINGS

TEXTBOOKS (Specific chapters are assigned.)


ADDITIONAL READINGS

Retrieve e-journal articles at OSU Libraries or go to OhioLINK's Electronic Journal Center (EJC) to locate the e-journal. (At the EJC website, one can also click “Search” at the top menubar to search the database for the specific e-journal article via searching by “Any Field” (default setting), “Article Title”, “Author Name”, etc.) Readings scanned to PDF format by Electronic Reserves, as well as other readings, for this quarter's offering of Chinese 782 will be available for downloading at Carmen during the course.


SUPPLEMENTARY READINGS


2. Bassetti, Benedetta. 2006. Orthographic input and phonological representations in learners of Chinese as a foreign language. Written Language and Literacy 9.1: 95-114. [OSU e-journal article and also available online at eprints.bbk.ac.uk.]


(The online article is a GB-encoded TEXT file that was at Hu Wenze's Chinese Dialectology webpage, part of Hu Wenze and Tao Hongyin's Chinese Linguistics Page.)

(This online article is a UTF-8-encoded webpage (converted from an earlier GB-encoded webpage that was based on Hu Wenze's original MS Word 6 DOC file housed at his Chinese Linguistics website.)


66. Peng, Shu-hui. 1996. Phonetic Implementation and Perception of Place Coarticulation and Tone Sandhi. Ph.D. dissertation, Ohio State University. (Mandarin Third Tone sandhi and place assimilation between Taiwanese coda and onset stops are examined. See abstract, part of OSDL.)


76. Wang, H. Samuel. 1995. *Experimental Studies in Taiwanese Phonology.* Taipei: Crane Publishing Co. Ltd. (It includes a discussion of segmentation of the syllable into phoneme-sized units and speech errors ('slips of the tongue'). Also addressed is the issue of the psychological reality of tone sandhi rules and related issues.)


... more to be added later

**SUPPLEMENTARY REFERENCES**


... more to be added later

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**SOME ONLINE RESOURCES**

- Ohio State University:
  - [Ohio State University Libraries](http://library.osu.edu), Ohio State's online catalogues, as well as links to OhioLINK Catalog, WorldCat, etc. Search the Online catalogue for books, journals, e-journals, books and other materials reserved for a course, etc.
  - Indices/Tables of Content of some Chinese linguistics journals that are subscribed by OSU Libraries:
    - *Journal of Chinese Linguistics: Index of Articles* (1973-).
    - *Journal of the Chinese Language Teachers Association: Authors and Topics Indices* (1966-).
    - *Yuyan Jiaoxue Yu Yanjiu* [English title: Language Teaching and Linguistic Studies] (No online indices — Main (EAS): PL1004 .Y827)
    - *Zhongguo Yuwen: Table of Contents Index* (1995-).
    - *Zhongguo Yuwen* 《中国语文》 (info and searchable index at the Chinese Academy of Social Sciences' website)
    - *Fangyan* 《方言》 (1979-1998 [index] and 1998-2002 [index]) (info and searchable index at the Chinese Academy of Social Sciences' website)
    - *Dangdai Yuyanxue* 《当代语言学》 ([Contemporary Linguistics](http://library.osu.edu)) (info and searchable index at the Chinese Academy of Social Sciences' website)
  - [Chinese Collection at OSU Libraries](http://library.osu.edu). This is part of the East Asian Collection that is currently housed in Ackerman Library. Ohio State has an extensive Chinese-language collection of books and periodicals to support teaching and research. Chinese-language audio-visual materials, including video and audiotapes and non-data CD-ROMs and DVDs, are one part of the Chinese collection that is kept on the main campus at the Sullivant (Main) Library. Chinese-language linguistics journal titles subscribed by OSU Libraries, originally provided by Guoqing Li, Chinese Studies Librarian (9/19/01 guest lecture in C680), with romanization converted from Wade-Giles to Pinyin, and Chinese characters added:
    - *Zhongguo Yu Wen* 中国语文 (Renmin Jiaoyu Chubanshe) PL1004 .C44 (bimonthly)
    - *Zhongguo Yu Wen* 中國語文 (Taipei, Taiwan) PL1004 .C5 (monthly)
    - *Zhongguo Yu Wen Tong Xun* 中國語言通訊. PL1004 .C57 (bimonthly)
    - *Han Zi Wen Hua* 漢字文化. PL1281 .H365 (quarterly)
    - *Hanyu Xuexi* 汉语学习. PL1004 .H35 (bimonthly)
    - *Yuwen Jiaoxue Tongxun* 语文教学通讯. PL1004 .Y74 (monthly)
    - *Yu Wen Jian She Tong Xun* 語文建設通訊 (Hong Kong). PL1175 .A1 H35Y8 (quarterly)
    - *Yuwen Xueyi* 语文学习 (Shanghai Shifan Daxue) PL1004 Y824 (monthly)
    - *Yuwenyuekan* 语文月刊. PL1004 .Y8267
OhioLINK's **Electronic Journal Center** (EJC) available for OSU users.

**ISTOR** – Depository for back issues of various journals, including e-journals, available for OSU users.

**ProQuest Dissertations & Theses.** Proquest's database contains citations for dissertations and theses done at U.S., Canadian and some foreign institutions. Free PDFs of all dissertations published since 1997. (Licensed for OSU academic use only.)

**Center for the Study and Teaching of Writing** (CSTW). Excellent resources, "handouts", tutorials, etc., to assist undergraduate students — and those for whom English is a second (or third) foreign language — in their research and writing. The Center also provides a web page on plagiarism, giving a definition of plagiarism, together with a set of **Basic Citation Rules and Examples**, including use of direct quotes versus paraphrasing, etc. To cite books for this course, one recommendation is to use the sciences style for bibliography and in-text citations in the **Chicago Manual of Style Citation Guide**, available online from OSU Libraries.

**net.TUTOR** (OSU Libraries' set of online tutorials, such as developing research skills in using WWW and other Net resources)

- **Student Resources for Compositions** and **Sources: Their Use and Acknowledgement** (Composition Center, Dartmouth College)
  
  NOTE: How to cite a webpage -- include three pieces of information: title, URL, and date of access – for example:


  (Or click here to cite this particular web page using "copy-and-paste." Hit "BACK" on your web browser to return to this part of the web page.)

- **On-line Resources for Documenting Electronic Sources** (Online Writing Lab, Purdue University)
  
- **Journals available from Multilingual Matters.** Online issues of e-journals that may or may not be subscribed by OSU/OhioLINK; e-journals include: **International Journal of Bilingual Education and Bilingualism**, **Current Issues in Language Planning**, **Current Issues in Language & Society**, **International Journal of Multilingualism**, **Journal of Multicultural Discourses**, **Journal of Multilingual and Multicultural Development**, **Language Awareness**, **Language and Intercultural Communication**, **Language Culture and Curriculum**, and **Language and Education**.

- **Online journals, proceedings, etc.:**
  
  

- **Journal Abstracts and Full-Text** (Blackwell Synergy Search Engine) Online search of articles from 873 leading journals published by Blackwell, including those in social and behavioral sciences, of which a subgroup is "language and linguistics". Access to abstracts and full-text (PDF files) also if OSU Libraries subscribes to a given e-journal.

- **Linguist List: 2011 Tables of Contents (TOC)** (for some linguistic journals, and links to back issues)

- **Phonological Representation Database for Mandarin Chinese Characters** (online searchable database with a large-scale phonological representation system for Mandarin Chinese monosyllables)

- **Google:**
  
  - **Google Scholar.** Search Google Scholar for books and online articles.
  
  - **Google Book Search.** Search for books by entering a keyword or phrase. Clicking on a book title provides some basic information about the book, and potentially a few snippets (i.e., a few sentences containing your keyword or phrase in context) or full pages, or the entire book, if it is out of copyright. A search can also be conducted within the original search to further refine the search. Explore the website for further features.
  
  - **Google Video.** Search for videos and video excerpts.
• **OSU Office of Responsible Research Practices (ORRP).** The Institutional Review Board (IRB), administered under the ORRP, oversees research activities at OSU, including research involving Human Subjects. "All research activities involving human subjects must be reviewed and approved by an IRB unless the Office of Responsible Research Practices prospectively determines that the research falls into a category of exemption established by federal regulation." The ORRP holds regular **Workshops** for faculty and graduate students, including those aimed specifically at students, such as workshops on "IRB Training for OSU Students." The website also has a page on **News & Announcements**, which has links to the online Buck-IRB Newsletter.

• **OSU Undergraduate Research Office.** Information sessions on opportunities for undergraduate students to engage in research, regularly scheduled IRB Staff Assistance for Student Researchers, etc.

• **OSU College of Humanities.** Information on undergraduate / graduate student funding opportunities, faculty, departments and units in the College, etc.

• **OSU Institute of Chinese Studies (ICS).** The ICS is "a center for scholarly research, student training, and public programming about the Chinese-speaking world for OSU faculty, students, the P-12 community, business and government, and members of the general public."

• **OSU East Asian Studies Center (EASC).** The Title VI NRC/FLAS East Asian Studies Center (EASC) at The Ohio State University's mission is "the broad dissemination of basic knowledge and advanced research on the cultures, languages, history, politics, and economies of East Asia."

• **MC's Course-Related Bibliographies and Other Resources:**
  - Marjorie Chan's Chinese Language and Gender On-Line Bibliography. Bibliography, some web-accessible articles, online collections of gender-related course syllabi, etc.
  - Marjorie Chan's Modern Chinese Dialects Bibliography. Bibliography of articles and references that were extracted from the Spring 2004 Chinese 785 course syllabus, and is updated from time to time.
  - Marjorie Chan's Word Lists and Online Glossaries/Dictionaries. Annotated links to online and downloadable Chinese word lists, frequency lists, dictionaries, etc.

• **Marjorie Chan's ChinaLInks** (ChinaLInks.osu.edu). Annotated links to Chinese culture, language, and linguistics. Also hosted under ChinaLInks.osu.edu site is the **20th North American Conference on Chinese Linguistics (NACCL-20)**, held at The Ohio State University on 25-27 April 2008, as well as the website for the information on the **North American Conference on Chinese Linguistics (NACCL)**, access to NACCL Proceedings beginning with NACCL-20, etc.

• **MC's Courses and Archived Course Syllabi.** Course syllabi contain readings and references that may provide an additional source for references.

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Marjorie Chan's Chinese 782: Chinese Phonology (Spring Quarter 2011)  
<http://people.cohums.ohio-state.edu/chan9/782.htm> [Accessed <DATE>]