

CMSD 642-01: Motor speech and swallowing disorders
California State University, Chico
Spring 2018

INSTRUCTOR INFORMATION

Instructor: Shelley Von Berg

Class meetings: T/TH OCNL 121, 9:30-10:45

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The medical continuum of care in speech language pathology extends from acute care to rehabilitation to more chronic settings and even to hospice. This growth suggests that the field has discovered that it can contribute to the health and quality of life in patients at virtually every point in their health care delivery system. This course is designed to address the breadth of medical speech-language pathology while giving in-depth attention to motor speech and swallowing disorders.

The first half of the semester addresses the effective and efficient diagnosis, treatment and management of the dysarthrias and acquired and developmental verbal apraxias. Course objectives are familiarization of neurologic bases, etiology and medical diagnoses; knowledge of assessment tools, protocols and procedures; patient selection criteria; approaches to case management and corresponding intervention strategies; and treatment outcomes data. Extensive audio and video examples of the dysarthrias and apraxias are employed.

The second half of the semester explores the normal swallow, causes and characteristics of dysphagia, evaluation of swallowing and approaches to treatment. Students will have the opportunity to perform bedside swallow evaluations in clinical labs. Students will learn rationales for, and clinical application of, the videofluoroscopic study of swallow and the fiberoptic endoscopic evaluation of swallow. Multiple case studies will be presented and students will engage in assessment and intervention training modules. Pediatric dysphagia will also be highlighted. Diagnosis of swallow disorders and intervention and effective report writing will be emphasized.

Course Objective	Implementation	Criteria	Program SLO	Accreditation Standards		
				CAA	CFCC	CTCC
Identify and discuss the characteristics of the anatomy and physiology of the speech and swallow mechanisms	Class activities, exams, and labs	80% accuracy	1, 2.	3.1.2B	IV-C	SLP-2, 3
Describe the neuroanatomic explanation of the dysarthrias, apraxias and dysphagia	Class activities, exams and labs	80% accuracy	1, 2	3.1.sB	IV-C	SLP 3
List and discuss preventive measures for people with neurogenic communication impairments	Class activities, exams, and lab	80% accuracy	3	3.1.3B	IV-D	SLP 5
Develop ability to implement assessment procedures for people with neurogenic communication disorders	Class activities, exams, and labs	80% accuracy	3	3.1.3B	IV-D	PS 5 SLP 4
Develop appropriate intervention goals and procedures using EB protocols for persons with neurogenic communication and swallowing disorders, and their families	Class activities, exams, and labs	80% accuracy	3	3.1.5B	IV-D	SLP 5
Discuss multicultural and linguistic correlates in regards to individuals with neurogenic and swallowing disorders and their families	Class activities, exams, and labs		2	3.1.2B	IV-C	PS 4
List and discuss current assessment and intervention approaches as supported by Research	Class activities, exams, and labs		5	3.5B	IV-F	
Introduce intervention strategies and educational resources for family, care-partners and others who care for patients with acquired communication disorders delivered in acute, rehab and skilled and home settings	Class activities, exams, and labs		5	3.1.6B	V-B	PS 4 SLP 7

Program Student Learning Outcomes

1. Demonstrate the knowledge of basic communication and swallowing processes, including their biological, neurological, acoustic, psychological, developmental, and linguistic and cultural bases.
2. Demonstrate knowledge of the nature of speech, language, hearing, and communication disorders and differences and swallowing disorder including their etiologies, characteristics, anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates.
3. Demonstrate knowledge of the principles and methods of prevention, assessment, and intervention for people with communication and swallowing disorders, including consideration of anatomical/physiological, acoustic, psychological, developmental, and linguistic and cultural correlates.
4. Successful completion of supervised clinical experiences, demonstrating knowledge and skill competencies,
5. Demonstrate knowledge and skill in Professional Practice Competencies which includes accountability, integrity, effective communication, clinical reasoning, evidence-based practice, concern for individuals, cultural competence, professional duties, collaborative practice.

CAA - Council on Academic Accreditation in Audiology and Speech-Language Pathology.
<https://caa.asha.org/wp-content/uploads/Accreditation-Standards-for-Graduate-Programs.pdf>

CFCC - Council for Clinical Certification in Audiology and Speech-Language Pathology
<https://www.asha.org/Certification/2014-Speech-Language-Pathology-Certification-Standards/>

CTCC - California Commission on Teaching Credentialing https://www.ctc.ca.gov/docs/default-source/educator-prep/standards/special-education-standards-2013.pdf?sfvrsn=9c98fd69_0

Course Materials: Required. These books are *required* to understand and be successful with this material.

Motor Speech Disorders
3rd^d Ed.
Joseph R. Duffy
Elsevier: ISBN: 9780323072007

Dysphagia: Clinical Management in Adults and Children
2010
Groher and Crary
Mosby Elsevier ISBN 9780323052986

The Source for Dysphagia
Updated and Expanded
Nancy Swigert
Linguisticsystems

ISBN13: 978-0760607640

ISBN10: 0760607648

Recommended

Mosby's review questions. Need for midterm and final in 642.

Management of Speech and Swallowing in Degenerative Diseases
3rd ed.

Kathryn M. Yorkston, Robert Miller and Edythe Strand

Pro-Ed ISBN 9781416405399

ISBN: **9781416405399**

Excellent family-focused material on companion CD

Dysphagia Assessment and Treatment Planning
3rd edition

Leonard and Kendall

ISBN 13:**987-1-59756-525-7**

This contains an excellent DVD that depicts MBS and FEES

Students can also purchase the texts directly from the Evolve website using the following links.

- Groher – <https://evolve.elsevier.com/cs/product/9780323052986?role=faculty>
- Duffy - <https://evolve.elsevier.com/cs/product/9780323072007?role=faculty>
- Webb - <https://evolve.elsevier.com/cs/product/9780750675260?role=faculty>



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Optional texts and training platforms

Dworkin, J. P. (1991). *Motor Speech Disorders. A treatment guide*. St. Louis. Mosby Year Book.

Freed, D (2000). *Motor Speech disorders: Diagnosis and treatment*. San Diego: Singular Publishing Group

Love, RJ (2000). *Childhood motor speech disability*. Needham Heights, MA: Allyn & Bacon

Yorkston, KM, Beukelman, DR, Strand, EA, Bell, KR (1999). *Management of motor speech disorders in children and adults*. Austin, Pro-Ed.

MBSImP Training opportunity for students. Students able to enroll for \$75 via this enrollment link: <http://www.northernspeech.com/r/e/e95>.

Course requirements:

Two scheduled **examinations**, each worth 100 points. Total 200 points. The examinations will cover neurologic bases of motor speech disorders (MSDs) and categorizing motor speech disorders and neurologic bases of MSDs; management of the major motor speech disorders; assessment and management of adult and pediatric swallow disorders

Several clinical laboratory assignments, to be administered throughout the course of the semester. **Total 50 points. Labs will be administered at the discretion of the instructor.**

- Illustration of CNS/PNS (20)
- Dysarthria + intervention lab (20 points)
- Intro to assessment (Logemann) (+/-) (30 minutes)
- Fiberoptic endoscopic evaluation of swallow (Langmore) (+/-) 2:20 minutes
- Assessment and management of pediatric dysphagia (Arvedson) (+/-) >3 hours.
- Management of adult dysphagia (Logemann) (+/-)
- PMSV see website. Do one module online. (10 points)
- Swallowing strategies. Evidence based practice (+/-).

GRADING:

Total possible points: 250

Percentage Score	Grade	60-69	D
94-100	A	59 & below	F
90-93	A-		
87-89	B+		
83-86	B		
80-82	B-		
77-79	C+		
73-76	C		
70-72	C-		

Course Outline for 642: 16 modules. Schedule subject to change.

Date	Topic	Reading materials
1/23-25	Introduction to MoSpeech	Duffy chapter 1
1/30-2/1	Neuro bases of MoSpeech	Duffy chapter 2
2/6-8	Examination of MoSpeech	Duffy chapter 3
2/13-15	Flaccid and spastic	Duffy chapters 4 and 5
2/20-22	Ataxic and hypokinetic	Duffy chapters 6 & 7
2/27-3/1	Hyper, UUMND and AOS	Duffy chapters 8-11
<i>Also see chapters 17 and 18 for management</i>		

3/6-8	<i>Midterm</i>	
3/13-15	<i>Midterm review and</i>	
	Swallow unplugged	Groher chpts. 1 and 2
3/20-222	<i>Spring break</i>	
3/27-29	Clinical eval of swallow	Groher 9; Swigert 1 and 3
4/3-5	Instrumental evaluation of swallow: R. Leonard videos under MBS. Videofluoroscopy (Groher 10; Swigert Chapter 6). Also, see Bonnie Martin Harris MBSIMP	
4/10-12	Fiberoptic endoscopic evaluation of swallow: Langmore	
4/17-19	Treatment considerations	Logemann DVD, Groher, Swigert chapt 14
4/24-26	Treatment continued: Specialty topics: (PMSV website) Swigert	
5/1-3	Treatment for infants and children (Management of pediatric feeding and swallowing. Joan Arvedson).	
5/8-10	Tx of peds continued; final review	
Final	TBA	

