LSC Use Only Proposal No: LSC Action-Date:

Contact Person(s)

UWUCC Use Only Proposal No: //-//ch UWUCC Action-Date: App -3/p3//2 Senate Action Date:

App-4/17/12

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

| Contact Person(s) Shari Robertson | | Email Address Shari.Robertson@iup.edu | | | |
|---|---|---------------------------------------|---------------|--|--|
| Proposing Department/Unit Special Education and Clinical Services | | Phone (724) 357-5683 | | | |
| Check all appropriate lines and complete all information. Use a se | eparate cover sheet for each course proposal ar | d/or program proposal. | | | |
| 1. Course Proposals (check all that apply) | | | | | |
| New Course (| Course Prefix Change | Course Deletion | | | |
| Course Revision | Course Number and/or Title Change | Catalog Description Char | nge | | |
| Current course prefix, number and full title: SPLP 334, Language Development | | | | | |
| | | | | | |
| Proposed course prefix, number and full title, if char | | | | | |
| Liberal Studies Course Designations, as app This course is also proposed as a Liberal Studies | | categories below) | | | |
| Learning Skills Knowledge Area | Global and Multicultural Awarenes | | m (M Course) | | |
| | Global and Mullicultural Awarenes | writing Across the Curriculur | ii (w Course) | | |
| Liberal Studies Elective (please mark the de | esignation(s) that applies – must meet | at least one) | | | |
| Global Citizenship | Information Literacy | Oral Communication | | | |
| Quantitative Reasoning | Scientific Literacy | Technological Literacy | | | |
| 3. Other Designations, as appropriate | | | | | |
| Honors College Course O | ther: (e.g. Women's Studies, Pan Afric | ean) | | | |
| 4. Program Proposals | | | | | |
| Catalog Description Change | ogram Revision Progra | m Title Change | New Track | | |
| New Degree Program Ne | ew Minor Program Liberal | Studies Requirement Changes | Other | | |
| Current program name: | | | | | |
| Proposed program name, if changing: | | | | | |
| 5. Approvals | O / Sign | nature | Date | | |
| Department Curriculum Committee Chair(s) | alletter | | 12.5-11 | | |
| Department Chairperson(s) | Lash Kerlini | | 11/19/2011 | | |
| College Curriculum Committee Chair | Edgl Reilly, Te | ECC Curr, Chair | 2/27/12 | | |
| College Dean | AZEDE. | | 3/1/12 | | |
| Director of Liberal Studies (as needed) | | | | | |
| Director of Honors College (as needed) | | | | | |
| Provost (as needed) | | | | | |
| Additional signature (with title) as appropriate | 2 100 1 | , | | | |
| UWUCC Co-Chairs | Gail Sechio | | 3/22/12 | | |

Received

Course Revision

SPLP 334 Language Development (3c-0l-3cr)

1. Syllabus

Find attached the proposed course syllabus.

2. Summary of Changes

Changes are being made to the course catalog description, course objectives, and course content. The previous version of this course focused on the development of oral language. The revised course will address both oral and written language. In addition, this course will include information on the analysis of spoken and written language samples. Finally, the course will provide increased coverage of language differences, including dialects and bilingualism. Prerequisites have been added: SPLE major, Admission to teacher certification, SPLP 111. The prerequisite of a 3.0 GPA has been removed.

3. Justification/Rationale for the Revision

Speech-language pathologists serve individuals with both oral and/or written language difficulties. This requires an understanding of normal oral and written language development. To competently assess children's oral and written language abilities, speech-language pathologists must be able to analyze both oral and written language samples. Adding information on language sample analysis will increase their competency in this area. Finally, in order to serve individuals from diverse linguistic backgrounds, information on dialects and bilingualism will be provided. The prerequisite of SPLE major was added to ensure that only students who have been admitted to the major may enroll. The prerequisite of SPLP 111 was added to ensure students have introductory content in speech-language pathology. Admission to teacher certification to ensure that students enrolled have completed Step I, and this requires a 3.0 GPA and thus that prerequisite has been removed.

4. Old syllabus of record – Please find attached the old course syllabus of record.

Syllabus of Record

I. Catalog Description

SPLP 334: Language Development 3 class hours

0 lab hours 3 credits

Prerequisites: SPLE major, Admission to teacher certification, SPLP 111 (3c-01-3cr)

SpEd hours: 2 ELL hours: 20

The study of development of an interpersonal communication system; language as a system of symbols for communication; the structure of the English language, including phonology, syntax, semantics. Highlighting of neurological, social and psychological bases of language development.

II. Course Outcomes

The student enrolled in this course will be able to:

- 1) define and discuss the dimensions of speech, language and communication.
- 2) identify the social, neurological, structural and cognitive bases of language development.
- 3) compare and contrast the major theories of language development.
- 4) summarize the stages of language development and the characteristics of each stage.
- 5) discuss how language develops in relation to other major developmental domains and the relationship among the domains.
- 6) summarize the language/literacy connection, the components of readings, and the 5 areas of critical skills development in literacy.
- 7) evaluate oral and written language samples using SALT and other methods.
- 8) discuss language differences: dialects and bilingualism.
- 9) summarize the common disorders of language.

| Course Objective | College Conceptual Framework/Danielson | ASHA Standards | PDE Standards | Performance Indicator |
|---------------------|--|-------------------|------------------|----------------------------------|
| 1 | 1a | III-B | I.C | Examination Formative activities |
| 2 | la | III-A,B | I.B,C | Examination |
| 3 | la | III-B | I.B | Examination Weekly Summary |

| | | | | Questions |
|---|-------|---------------|-----------|----------------------|
| 4 | 1b | III-B | I.B,G | Semester Project |
| 5 | 1b | III-B | I.B,G | Homework |
| | | -1 | | Formative activities |
| 6 | la la | III-B,C | I.B,G,J | Homework |
| | | | | Formative activities |
| | | | | Weekly summary |
| | | | | questions |
| 7 | 3d | III-C,D; IV-G | I.B,H,I,L | Language Sample |
| | | | | Analysis |
| 8 | 1b | III-B,C | I.B,C,G | Examination |
| | | | | Homework |
| 9 | 1b | III-C | I.E | Examination |
| | | | | Weekly summary |
| | | | | questions |

III. **Detailed Course Outline (42 hours)**

A. The Dimensions of Human Communication

3 hours

- 1. Communication, Speech, and Language
- 2. Linguistic Aspects of Language

Morphology

Syntax

Semantics

Pragmatics

B. The Foundations of Language Development

1. Neurological Bases

2 hours

2. Anatomical Structures

1 hour

- - a. Lungs b. Larynx
 - c. Oral/Nasal Cavities
 - d. The Ear

3. Structural Foundations

1 hour

Prenatal and Early Development

4. Perceptual Bases

1 hour

- a. Auditory
- b. Visual
- 5. Cognitive Bases

3 hours

- a. Vygotsky
- b. Script Theory
- c. Gardner's Multiple Intelligences
- d. Information Processing

| C. Models of Language Development 1. Behavioral Models 2. Syntactic Model 3. Semantic Models 4. Sociolinguistic Theory | 3 hours |
|--|---------|
| D. Infant Communication 1. Related Development Overview 2. Prelinguistic Foundations 3. Phonological Aspects of Babbling 4. Infant and Caregiver Communications a. Perlocutionary stage b. Illocutionary stage | 2 hours |
| EXAM 1 | 1 hour |
| E. Early Language Development – Toddlers 1. Related Development Overview 2. Pragmatic Development 3. Locutionary stage a. First Words b. Combining Words and Meaning c. Strategies for Language Learning | 2 hours |
| F. Preschool Development 1. Related Development Overview 2. Pragmatic Development 3. Narrative Development 4. Semantic Development 5. Syntactic Development | 2 hours |
| G. Developing Grammar1. Grammatical Morphemes2. MLU3. Brown's Stages of Development | 2 hours |
| H. SALT Analysis 1. Elicitation Procedures 2. Developing the Gloss 3. Transcribing 4. Software Instruction 5. Evaluation/Analysis Procedures | 3 hours |
| Sentence Form Development Noun phrase Verb phrase Complex/compound sentences | 2 hours |
| EXAM II | 1 hour |

J. Later Language Development 3 hours 1. Overview of Related Development 2. Semantics 3. Metalinguistic Skills 4. Pragmatics K. Language and Literacy 3 hours 1. Components of Reading 2. Language/Literacy Hierarchy 3. National Literacy Panel 4. Interactive Reading Strategies L. Language into Adulthood 2 hour 1. Changes in Speech and Language 2. Changes in Hearing M. Language Differences 3 hours 1. Bilingualism 2. Dialects N. Introduction to Language Disorders 2 hours **Exam III During Final Exam Week** 2 hour **Evaluation Methods** A. Three examinations 275 points Two exams during the semester (75 pts each) and a final examination during exam week (125 pts). The exams will be announced and comprised of multiple choice, fill-in-the-blank, short answer questions, essay, and case examples. Exam questions will cover information presented in class and in the assigned readings. B. Semester Project 50 points A final project consisting of a summary of development across all domains C. Language Sample Analysis 75 points Analysis of a variety of language samples using SALT software and other methods (more information to follow) D. Weekly summary questions 50 points E. Homework and In-class formative activities 50 points

IV.

V. Example Grading Scale

- A 90%-100%
- B 80%-89%
- C 70%-79%
- D 60%-69%
- F 0% 60%

Adaptations will be made to accommodate students with special needs, with appropriate documentation. Students with these concerns should confer with the instructor during office hours at the beginning of the semester to discuss accommodations needed. For further information, refer to the Undergraduate Course Catalog on support provided through the Disability Support Services in Pratt Hall (724-357-4067).

VI. Attendance Policy

Attendance in class is expected in accordance with the policy outlined in the university catalog.

VII. Required Textbook(s), Supplemental Books and Readings

- McLaughlin, Scott (2010) Introduction to <u>Language Development</u>. San Diego: Singular Publishing.
- Miller, J.F., Andriacchi, K., & Nockerts, A. (2011). Assessing language production using SALT software: A clinician's guide to language sample analysis. (this is included with the purchase of SALT Software, Student Version)
- Miller, J.F. & Iglesias, A. (2012). Systematic Analysis of Language Transcripts (SALT) [Computer Software Student Version]. Madison, WI: Language Analysis Lab, University of Wisconsin Madison.

VIII. Special Resource Requirements

None.

IX. Bibliography

ASHA (2009). Learning Two Languages. Rockville, MD. (Accessible at www.asha.org)

Gerken, L. (2009). Language Development. San Diego: Plural Publishing

Gleason, J.B. (2005). The Development of Language. New York: Pearson.

Hulit, L., & Howard, M. (2006). Born to Talk: An Introduction to Speech and Language Development. Boston: Allyn & Bacon.

- Johnston, J. (2006). Thinking About Language. Eau Claire, WI: Thinking Publications
- Kuder, S. J. (2003). *Teaching Students with Language and Communication Disabilities*. Boston: Allyn & Bacon.
- Oller, J., Oller, S., & Badon, L. (2008). Milestones: Normal Speech and Language Development Across the Lifespan. San Diego: Plural Publishing
- Owens, R. (2008). Language Development: An Introduction. New York: Pearson.
- Paul, R. (2006). Language Disorders from Infancy Through Adolescence: Assessment and Intervention. New York: Mosby.
- Pence, K. & Justice, L. (2008). Language Development: From Theory to Practice. New Jersey: Pearson Prenctice-Hall.
- McLean, J. & Snyder-McLean, L. (2005). How Children Learn Language. San Diego: Singular Press.

COURSE SYLLABUS

CATALOG DESCRIPTION

SH 334 Language Development

3c-01-3sh

Prerequisites: None

Study of development of an interpersonal communication system; language as a system of symbols for communication; the structure of the English language, including phonology, syntax, and semantics with emphasis on the generative evolvement of sentences. Highlighting of neurological, social, and psychological bases of language development.

COURSE OBJECTIVES

- 1. To orient the students to the area of language and speech, from a psycholinguistic viewpoint.
- 2. To present a generalized model of language, to present a working perspective.
- 3. To have the students develop an understanding of the structure of language.
- 4. To have the students develop an understanding of the generalized stages of language development and the characteristics of each stage for each area of development.
- 5. To have the students develop an understanding of the functions of language.
- 6. To have the students develop an understanding of the social basis of language and language variations.
- 7. To have the students develop an understanding of and appreciation for the neurological basis of language.

COURSE OUTLINE

- A. Language, Speech and Communication
 - Language Psycholinguistics, Sociolinguistics
 Rule Governed Grammars Linguistic
 competence Generative System
 Components of Language

Syntax Morphology Phonology Pragmatics

- 2. Speech
- 3. Communications
- B. Language Developmental Models
 - 1. Behavioral Theory
 - 2. Psycholinguistic Theory Syntactic Model Semantic - Cognitive Model
 - 3. Sociolinguistic Theory
- C. Development of Social and Communicative Bases of Language
 - 1. Maternal Communication Behaviors
 - 2. Interactions Between Infant and Caregiver
 - 3. Child Learning Strategies
 - 4. Adult Teaching Strategies
- D. Preschool Language Development
 - 1. Semantic Development
 - 2. Morphological Development
 - 3. Syntactic Development
 - 4. Pragmatic Development
 - 5. Phonological Development
- E. Language Differences
 - 1. Dialects
 - 2. Bilingualism

EVALUATION METHODS

The final grade will be based upon four (4) major tests (100 pts. each), five (5) quizzes (20 pts. each - total 100 pts.) and one five-page paper (100 pts.).

Grading Scale:

- 90 100 A
- 89 80 B
- 79 70 C
- 69 60 D
- Below 60 F

REQUIRED TEXTBOOKS, SUPPLEMENTAL BOOKS AND READINGS

Textbook: Owens, R. E. (1988). <u>Language development</u>. Columbus, Oh: Charles E. Merrill.

BIBLIOGRAPHY

- Abrahamsen, E., & Rigrodsky, S. (1984). Comprehensive of complex sentences in children at three levels of cognitive development. <u>Journal of Psycholinguistic Research</u>, <u>13</u>, 333-350.
- Ackerman, B. (1978). Children's understanding of speech acts in unconventional directive frames. Child Development, 9, 311-318.
- Atkinson-King, K. (1973). Children's acquisition of phonological stress contrasts. UCLA: Working Papers in Phonetics, No. 25.
- Baldie, B. (1976). The acquisition of passive voice. <u>Journal</u> of Child Language, 3, 331-348.
- Barrett, M. (1978). Lexical development and overextension in child language. <u>Journal of Child Language</u>, <u>5</u>, 205-219.
- Barrett, M. (1982). Distinquishing prototypes: The early acquisition of meanings of object names, in S. Kuczaj (Ed.) <u>Language development: Volume 1-syntax and semantics</u>. Hillsdale, NJ: Erlbaum.
- Bates, E. (1974). Acquisition of pragmatic competence. <u>Journal of Child Language</u>, 1, 277-281.
- Bates, E., Camaioni, L., & Volterra, V. (1975). The
 acquisition of performatives prior to speech.
 Merrill-Palmer Quarterly, 1, 205-216.
- Bateson, M. (1975). Mother-infant exchanges: The epigensis of conversational interaction, in D. Aronson and R. Rieber (Eds.) <u>Developmental psycholinguistics and communication disorders</u>. New York, NY: Academy of Sciences.
- Beck, M.S. (1979). <u>Baby talk: How your child learns to speak</u>. New York: A Plume Book, New American Library.
- Benedict, H. (1979). Early lexical development: Comprehension

- and production. <u>Journal of Child Language</u>, 6, 183-200.
- Berko, J. (1958). The child's learning of English morphology. Word, 14, 150-177.
- Bernthal, J., & Bankson, N. (1981). <u>Articulation disorders</u>. Englewood Cliffs, NJ: Prentice-Hall.
- Block, E., & Kessel, F. (1980). Determinants of the acquisition order of grammatical morphemes: A re-analysis and re-interpretation. <u>Journal of Child Language</u>, 7, 181-188.
- Bloom, L., Lahey, M., Hood, L., Lifter, K., & Fiess, K. (1980). Complex sentences: Acquisition of syntactic connectors and the semantic relations they encode. <u>Journal of Child Language</u>, 7: 235-262.
- Bradbury, B., & Lunzer, E. (1972). The learning of grammatical inflections in normal and subnormal children. <u>Journal of Child Psychology and Psychiatry</u>, 13, 239-248.
- Braine, M. (1976). Children's first word combinations.

 Monographs of the Society for Research in Child
 Development, Volume 41 Serial No. 164.
- Brazelton, T. (1979). Evidence of communication during neonatal behavioral assessment, in M. Bullowa (Ed.) <u>Before speech</u>. New York: Cambridge University Press.
- Brinton, B., & Fujiki, M. (1984). Development of topic manipulation skills in discourse. <u>Journal of Speech and Hearing Research</u>, 7, 350-358.
- Brinton, B., Fujiki, M., Loeb, D. & Winkler, E. (1986).

 Development of conversational repair strategies in response to requests or clarification. <u>Journal of Speech and Hearing Research</u>, 9, 75-81.
- Bruner, J. (1975). The ontogensis of speech acts. <u>Journal of</u> <u>Child Language</u>, <u>2</u>, 1-19.
- Cazden, C. (1968). The acquisition of noun and verb inflections. Child Development, 39, 433-438.

- Clark, E. (1979). Building a vocabulary: Words for objects, actions and relations, in P. Fletcher and M. Garman (Eds.)

 <u>Language acquisition</u>. Cambridge: Cambridge University Press.
- Clark, E., & Garnica, O. (1974). Is he coming or going? On the acquisition of dietic verbs. <u>Journal of Verbal Learning and Verbal Behavior</u>, 13, 559-572.
- Clark, E., & Sengul, C. (1978). Strategies in the acquisition of diexis. <u>Journal of Child Language</u>, <u>5</u>, 457-475.
- Cole, P. (1982). <u>Language disorders in preschool children</u>. Englewood Cliffs, NJ: Prentice-Hall.
- Dale, P. (1976). <u>Language development: Structure and function</u>. New York: Holt, Rinehart and Winston.
- Daniloff, R. (1973). Normal articulation processes, in F.

 Minifie, T. Hixon, and F. Williams (Eds.) Normal aspects of speech, hearing and language. Englewood Cliffs, NJ:

 Prentice-Hall.
- Dehart, G., & Maratsos, M. (1984). Children's acquisition of presuppositional uses, in R. Schiefelbusch and J. Pickar (Eds.) The acquisition of communicative competence. Baltimore: University Park Press.
- Dever, R., & Bauman, P. (1974). Scale of children's clausal development, in T. Longhurst (Ed.) <u>Linguistic analysis of children's speech</u>. New York: MSS Information Corporation.
- DeVilliers, J. (1984). Form and force interactions: The development of negatives and questions, in R. Schiefelbusch & J. Pickar (Eds) The acquisition of communicative competence, Baltimore: University Park Press.
- DeVilliers, J., & DeVilliers, P. (1973). A cross-sectional study of the acquisition of grammatical morphemes. <u>Journal of Psycholinguistic Research</u>, 2, 267-278.
- Dore, J. (1986). The development of conversational competence, in R.Schiefelbusch (Ed.) <u>Language competence: Assessment and intervention</u>. San Diego, CA: College-Hill Press.
- Dore, J. (1977). Children's illocutionary acts, in R.O.

- Freedle (Ed.) Discourse processes: Advances in research and theory. Volume: Discourse production and comprehension. Norwood, NJ: ABLEXZ Publishing Co.
- Dore, J. (1974). A pragmatic description of early language development. <u>Journal of Psycholinguistic Research</u>, 3, 343-350.
- Dore, J. Conversational and Preschool Language Development, in Fletcher & M. Garman (Eds.) <u>Language acquisition</u>. Cambridge: Cambridge University Press.
- Dore, J., Gearhart, M., & Newman, D. (1978). The structure of nursery school conversation, in K. Nelson (Ed.) <u>Children's language</u>. New York: Gardner Press.
- Ervin-Tripp, S., & Gordon, D. (1986). The development of requests, in R. Schiefelbusch (Ed.) <u>Language competence:</u>

 <u>Assessment and intervention</u>. San Diego, CA: College-Hill Press.
- Ferguson, C., & Farwell, C. (1975). Words and sounds in early language acquisition. <u>Language</u>, 51, 419-439.
- Foster, S. (1986). Learning topic management in the preschool years. <u>Journal of Child Language</u>, <u>13</u>, 231-250.
- Freedman, P., & Carpenter, R. (1976). Semantic relations used by normal and language-impaired children at stage I. Journal of Speech and Hearing Research, 19, 784-795.
- Garvey, C. (1975). Requests and responses in children's speech. <u>Journal of Child Language</u>, 2, 41-63.
- Golden-Meadow, S., Seligman, M., & Gelman, R. (1976). Language in the two-year old: Receptive and productive stages. Cognition, 189-202.
- Golinkoff, R. (1975). Semantic development in infants: The concept of agent and recipient. Merrill-Palmer Quarterly, 21, 181-193.
- Golinkoff, R., & Markessini, J. (1980). Mommy sock: The child's understanding of possession as expressed in two-noun phrases. <u>Journal of Child Language</u>, 7, 119-136.
- Greenfield, P., & Zukow, P. (1978). Psychogenesis of

- presupposition. In K. Nelson (Ed.) <u>Children's language</u>, Volume I. New York: Gardner Press.
- Hillenbrand, J. (1983). Perceptual organization of speech sounds by infants. <u>Journal of Speech and Hearing Research</u>, <u>26</u>, 268-281.
- Horgan, D. (1978). The development of the full passive. <u>Journal of Child Language</u>, <u>5</u>, 65-80.
- Ingram, D. (1975). The acquisition of fricatives and affricatives in normal and linguistically deviant children, in A. Carramazza & E. Buriff (Eds.) The acquisition and breakdown of language. Baltimore: John Hopkins University Press.
- Ingram, D. (1975). Phonological rules in young children.

 <u>Journal of Child Language</u>, 1, 46-64.
- Karmiloff-Smith, A. (1979). Language development after five,
 in P. Fletcher & M. Garman (Eds.) Language acquisition.
 New York: Cambridge University Press.
- Keenan, E. (1974). Conversational competence in children.

 <u>Journal of Child Language</u>, 1, 163-183.
- Khan, L. (1982). A review of 16 major phonological processes, <u>Language</u>, <u>Speech and Hearing Services in Schools</u>, <u>13</u>, 77-85.
- Klee, T., & Fitzgerald, M. (1985). The relation between grammatical development and mean length of utterance in morphemes. <u>Journal of Child Language</u>, 12, 251-269.
- Koziol, S. (1973). The development of noun plurals during the primary grades. Research in the Teaching of English, $\frac{7}{30-50}$.
- Leonard, L., Bolders, J., & Miller, J. (1976). An examination of the semantic relations reflected in the language usage of normal and language disordered children. <u>Journal of Speech and Hearing Research</u>, <u>19</u>, 371-392.
- Levin, E., & Rubin, K. (1982). Getting others to do what you want them to: The development of children's requestive strategies, in K. Nelson (Ed.) Children's language, Volume 4. New York: Gardner Press.

- Ling, D., & Ling, A. (1974). Communication development in the first three years of life. <u>Journal of Speech and Hearing Research</u>, 7, 146-159.
- Lund, N., & Duchan, I. (1983). <u>Assessing children's language in naturalistic contexts</u>. Englewood Cliffs, NJ: Prentice-Hall.
- Menyuk, P. (1968). The role of distinctive features in children's acquisition of phonology. <u>Journal of Speech and Hearing Disorders</u>, <u>11</u>, 138-146.
- Menyuk, P. (1964). Syntactic rules used by children from preschool through first grade. Child Development, 35, 533-546.
- Miller, J. (1981). <u>Assessing language production in children</u>. Baltimore: University Park Press.
- Miller, J., & Chapman, R. (1981). The relation between age and mean length of utterances in morphemes. <u>Journal of Speech and Hearing Research</u>, 24, 154-161.
- Muma, J. (1978). <u>Language handbook: Concepts, assessment, intervention</u>. Englewood Cliffs, NJ: Prentice-Hall.
- Newfield, M., & Schlanger, B. (1968). The acquisition of English morphology by normal and educable mentally retarded children. <u>Journal of Speech and Hearing Research</u>, <u>11</u>, 693-706.
- Parnell, M., Patterson, S., & Harding, M. (1984). Answers to WH-questions: A developmental study. <u>Journal of Speech and Hearing Research</u>, <u>27</u>, 297-305.
- Prather, E., Hedrick, D., & Kern, C. (1975). Articulation development in children aged two to four years. <u>Journal of Speech and Hearing Disorders</u>, 40, 179-191.
- Ratner, N., & Bruner, J. (1978). Games, social exchange and the acquisition of language. <u>Journal of Child Language</u>, 391-402.
- Sachs, J., & Devin, J. (1976). Young children's use of ageappropriate speech styles in social interaction and role-playing. <u>Journal of Child Language</u>, 3, 81-98.

- Sanders, E. (1972). When are speech sounds learned? <u>Journal</u> of Speech and Hearing Disorders, 37, 55-63.
- Schieffelin, B., & Eisenber, A. (1984). Cultural variation in children's conversations, in R. Schiefelbusch & J. Pickar (Eds.) The acquisition of communicative competence, Baltimore: Unversity Park Press.
- Schlesinger, I. (1974). Relational concepts underlying language, in R. Schiefelbusch & L. Lloyd (Eds.) <u>Language</u> <u>perspectives-Acquisition</u>, <u>retardation</u> and <u>intervention</u>. Baltimore: University Park Press.
- Schwartz, R., & Leonard, L. (1984). Words, objects and actions in early lexical acquisition. <u>Journal of Speech and Hearing Research</u>, 7, 119-127.
- Seymour, H., & Seymour, C. (1981). Black English contrasts and standard English contrasts in consonantal development of four and five-year old children. <u>Journal of Speech and Hearing Disorders</u>, 6, 274-280.
- Shatz, M., & Gelman, R. (1973). The development of communication skills: Modification in the speech of young children as a function of listener. Monographs of The Society for Research in Child Development, Volume 38.
- Stark, R. (1978). Features of infant sounds: The emergence of cooing. <u>Journal of Child Language</u>, <u>5</u>, 379-390.
- Stoel-Gammon, C., & Cooper, J. (1984). Patterns of early lexical and phonological development. <u>Journal of Child Language</u>, <u>1</u>, 247-271.
- Templin, M. (1973). Developmental aspects of articulation, in D. Wolf & D.J. Goulding (Eds.) <u>Articulation and learning</u>. Springfield: C.C. Thomas Publishers.
- Trantham, C., & Pedersen, J. (1976). <u>Normal language</u>
 <u>development: The key to diagnosis and therapy for language</u>
 <u>disordered children</u>. Baltimore: Williams and Wilkins.
- Tyack, D., & Ingram, D. (1977). Children's production and comprehension of questions. <u>Journal of Child Language</u>, <u>4</u>, 211-224.

- Tyack, D., & Gottsleben, R. (1986). Acquisition of personal pronouns and proper names by an identical twin pair.

 <u>Journal of Speech and Hearing Research</u>, 25, 149-154.
- Waterman, P., & Schatz, M. (1982). The acquisition of personal pronouns and proper names by an identical pair. <u>Journal of Speech and Hearing Research</u>, <u>25</u>, 149-154.
- Waterson, N. (1978). Growth of complexity in phonological development, in N. Waterson and C. Snow (Eds.) <u>The development of communication</u>. New York: Wiley.
- Wiig, E., & Semel E. (1980). <u>Language assessment and intervention for the learning disabled</u>. Columbus, OH: Charles E. Merrill.
- Wintz, H. (1969). <u>Articulatory acquisition and behavior</u>. New York: Appleton-Century Crofts.
- Wood, B. (1976). <u>Children and communication: Verbal and nonverbal language development</u>. Englewood Cliffs, NJ: Prentice-Hall.
- Wood, M. (1982). <u>Language disorders in school-age children</u>. Englewood Cliffs, NJ: Prentice-Hall.

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