

REHABILITATION INSTITUTE

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COLLEGE OF EDUCATION AND HUMAN SERVICES

Allen, Harry A., Professor, *Emeritus*, Ed.D., University of Arkansas, 1971; 1970.

Anderson, John O., Professor, *Emeritus*, Ph.D., Ohio State University 1950; 1950.

Austin, Gary F., Professor, *Emeritus*, Ph.D., Northwestern University, 1973; 1984.

Beck, Richard J., Associate Professor, Ph.D., University of Wisconsin, 1987; 1990. Chronic pain, substance abuse, workers' compensation, and cross-cultural counseling.

Bender, Eleanor, Assistant Professor, *Emerita*, M.S., Southern Illinois University Carbondale, 1972; 1961.

Benshoff, John J., Professor, Ph.D., University of Northern Colorado, 1987; 1988. Rehabilitation administration, private sector rehabilitation, substance abuse.

Blache, Stephen E., Professor, *Emeritus*, Ph.D., Ohio State University, 1970; 1971.

Bordieri, James E., Professor and *Director*, Ph.D., Illinois Institute of Technology, 1980; 1986. Vocational evaluation, rehabilitation administration, job placement, rehabilitation management.

Brackett, Isaac P., Professor, *Emeritus*, Ph.D., Northwestern University, 1947; 1951.

Brutten, Gene J., Professor, *Emeritus*, Ph.D., University of Illinois, 1957; 1957.

Bryson, Seymour L., Professor, Ph.D., Southern Illinois University Carbondale, 1972; 1969. Social, economic, and culturally different clients.

Crimando, William, Professor, Ph.D., Michigan State University, 1980; 1980. Job development and placement, computers in rehabilitation, adjustment services, staff training and development.

Cuvo, Anthony J., Professor, Ph.D., University of Connecticut, 1973; 1973. Behavior analysis and intervention in developmental disabilities, evaluation research, legal and ethical issues.

Davis, Paula K., Professor, Ph.D., Southern Illinois University Carbondale, 1989; 1995. Developmental disabilities, behavior analysis, transition from school to adult life.

Dickey, Thomas W., Associate Professor, *Emeritus*, M.A., Southern Illinois University Carbondale, 1964; 1964.

Dixon, Mark, Associate Professor, Ph.D., University of Nevada-Reno, 1998; 2000. Behavior analysis, behavior therapy and medicine, gambling, brain injury.

Falvo, Donna, Professor, *Emerita*, Ph.D., Southern Illinois University Carbondale, 1978; 1974.

Flowers, Carl, Associate Professor, Ph.D., Southern Illinois University Carbondale, 1993; 2002.

Garbutt, Cameron W., Associate Professor, *Emeritus*, Ph.D., Louisiana State University, 1951; 1947.

Gardner, Margaret S., Associate Professor, *Emerita*, Ph.D., Northwestern University, 1960; 1968.

Greene, Brandon, Professor, Ph.D., Florida State University, 1979; 1979. Behavior analysis in consumer affairs; parent and staff training.

Hoshiko, Michael S., Professor, *Emeritus*, Ph.D., Purdue University, 1957; 1957.

Koepp-Baker, Herbert, Professor, *Emeritus*, Ph.D., University of Iowa, 1938; 1961.

Lehr, Robert P., Jr., Professor, *Emeritus*, Ph.D., Baylor University, 1971; 1973.

Moncur, John P., Professor, *Emeritus*, Ph.D., Stanford University, 1950; 1972.

Poppen, Roger L., Professor, *Emeritus*, Ph.D., Stanford University, 1968; 1970.

Rehfeldt, Ruth Anne, Assistant Professor, Ph.D., University of Nevada-Reno, 1998; 2000. Autism, language acquisition and enhancement, supported employment, applied behavior analysis.

Renzaglia, Guy A., Professor, *Emeritus*, Ph.D., University of Minnesota, 1952; 1955.

Riggat, Theodore, Professor, Ed.D., University of Northern Colorado, 1977; 1979. Rehabilitation administration, professional burnout.

Robertson, Stacie, Assistant Professor, Ph.D., The Pennsylvania State University, 2003; 2004. Rehabilitation counseling, counseling psychology, diversity and rehabilitation, and vocational rehabilitation.

Rubin, Harris B., Professor, *Emeritus*, Ph.D., University of Chicago, 1965; 1966.

Rubin, Stanford E., Professor, Ed.D., University of Illinois, 1968; 1980. Rehabilitation research, case management, history and philosophy of rehabilitation.

Schultz, Martin C., Professor, *Emeritus*, Ph.D., University of Iowa, 1955; 1986.

Schumacher, Brockman, Professor, *Emeritus*, Ph.D., Washington University, 1969; 1967.

Simpson, Kenneth O., Associate Professor, Ph.D., University of Nebraska-Lincoln, 1995; 1994. Alternative/augmentative communication, motor speech disorders.

Smith, Linda, Associate Professor, Ph.D., Southern Illinois University Carbondale, 1994; 1994. Language development/language disorders in children, multicultural populations, assessment of language in children.

Taylor, Darrell, Associate Professor, Ph.D., University of South Florida, 1992; 1992. Vocational evaluation and work adjustment, cognate rehabilitation counseling.

Upton, Thomas, Assistant Professor, Ph.D., The University of Iowa, 2000; 2000. Rehabilitation counseling, advances in rehabilitation, persons with brain injury, disability attitudes, and postsecondary educational accommodations.

Vieceli, Louis, Associate Professor, *Emeritus*, M.S.Ed., Southern Illinois University Carbondale, 1959; 1958.

Worsdell, April S., Assistant Professor, Ph.D., University of Florida, 2004; 2004. Behavior analysis, functional analysis and treatment of behavior disorders, autism, developmental disabilities.

Wright, W. Russell, Associate Professor, *Emeritus*, Ph.D., Southern Illinois University Carbondale, 1974; 1971

In response to pressing human and social needs, the applied field of rehabilitation has solidly entrenched itself as a professional discipline. Multidisciplinary courses of study have been drawn together from the behavioral, social, and medical sciences appropriate to the development of competent practitioners, supervisors, and programmers in rehabilitation and welfare agencies. The overall program is left purposely broad and flexible to permit the inclusion of training innovations and emerging career patterns.

The Rehabilitation Institute offers graduate programs leading to the Doctor of Rehabilitation degree and to the Master of Science degree with majors in behavior analysis and therapy, rehabilitation administration and services, and rehabilitation counseling.

A non-refundable application fee of \$35.00 must be submitted with the application. (The Application can be obtained from the department). Attach your check or money order, payable to Southern Illinois University, to the top of the application form. Do not send cash. Only checks or money orders payable to United States banks will be accepted.

The Master's Degree Program

The master's degree programs in rehabilitation administration and services, behavior analysis and therapy are 45 semester hour programs and rehabilitation counseling is 48 semester hours. Candidates have the option of a research paper or a thesis. Candidates concentrating primarily on preparation for entry into the helping profession ordinarily opt to complete a research paper in their area of concentration. The thesis option typically requires a thesis of an experimental nature, a survey, or other form of research in which empirical data are collected and analyzed. Candidates must demonstrate their skills in formulating researchable questions or hypotheses, in identifying and/or manipulating relevant variables, and in the analysis and reporting of the results.

BEHAVIOR ANALYSIS AND THERAPY

The behavior analysis and therapy program is devoted to the empirically-based development and application of learning principles to a wide variety of human needs. Training is offered in behavioral practice, research and theory as it applies to problems such as child abuse and neglect, developmental disabilities, chronic medical conditions, and traumatic head injury.

Degree Requirements

In fulfilling the 45 semester hour requirement, the student must complete the required courses or their equivalent, at least two elective courses from those listed below, at least one 3-hour practicum, an internship, and either a research paper or thesis.

REQUIRED COURSES

REHB 503 Basic Behavior Analysis
 REHB 508 Complex Behavior Analysis
 REHB 509a Behavior Analysis Research Designs: Single-Subject Designs
 REHB 509b Behavior Analysis Research Designs: Group Designs
 REHB 512 Legal and Ethical Issues in Behavior Analysis
 REHB 535 Behavioral Observation Methods
 REHB 574 Staff Training and Development
 REHB 594b Practicum in Behavior Analysis and Therapy

ELECTIVE COURSES

REHB 515 Behavioral Applications to Medical Problems
 REHB 543 Child Behavior
 REHB 545 Behavior Analysis in Developmental Disabilities
 REHB 557a Self-Regulation of Behavior: Self-control
 REHB 557b Self-Regulation of Behavior: Biofeedback
 REHB 563 Behavioral Analysis: Community Applications
 REHB 584 Seminar in Behavior Analysis and Therapy
 REHB 589 Professional Seminar in Rehabilitation

Internship

The student must complete satisfactorily 9 hours of REHB 595 (Internship in Rehabilitation) under the supervision of a behavior analysis and therapy faculty member. The internship is typically begun following two semesters of course work.

Research Paper or Thesis

The student must complete satisfactorily 3 to 6 hours of REHB 593 (Research in Rehabilitation) or REHB 599 (Thesis) under the direction of a chairperson. The chairperson is a member of the behavior analysis and therapy faculty selected by mutual agreement between the student and the faculty member.

For the research paper, an additional graduate faculty member may be selected by mutual agreement between the student and the chairperson to serve as a reader. This is not required.

For the thesis, a second faculty member of the behavior analysis and therapy program will be selected by mutual agreement between the student and the chairperson to serve as thesis committee member. The committee will review the thesis prior to its initiation, as a prospectus, and after its completion, in an oral defense. At the oral defense, a third graduate faculty member, selected by mutual agreement between all parties, will be added to the committee to serve as a reader.

COMMUNICATION DISORDERS AND SCIENCES

The communication disorders and sciences program offers graduate work leading to the Master of Science degree. The program in communication disorders and sciences is designed to develop competence in the assessment and treatment of persons with communication disorders.

Course work is planned to meet the academic and professional requirements for state and national certification, which are required for professional employment. These requirements comprise a minimum of 75 semester hours of course work, at least 30 semester hours of which must be at the graduate level. The M.S. degree program in speech-language pathology will culminate in eligibility for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association and state licensure. ASHA certification is required for work in agencies, hospitals, medical centers, and higher education settings. In addition, students may take additional course work to qualify them for the Type 10 special certificate in speech and language impaired of the Illinois State Teacher Certification Board.

The program maintains many active research facilities which provide laboratories and specialized equipment for the study of both the normal and impaired functions of the speech, language, and hearing processes. The program maintains the SIUC Infant Cry laboratory and website.

Additional information regarding financial aid, programs, and application procedures can be secured by writing to: Communication Disorders and Sciences Program, Rehabilitation Institute, Southern Illinois University Carbondale, Carbondale, IL 62901-4609.

Master's Degree Program Leading to Certification in Speech Pathology

The master's degree requires a minimum of 30 semester hours of acceptable graduate credit (3.0 average), at least 15 semester hours of which are at the 500 level, and the completion of approximately 33 to 36 graduate semester hours in clinic courses, and an approved thesis or research project. The program for the M.S. degree is a five semester course of study of approximately 60 to 66 semester hours. Specific course requirements and total number of hours are generally determined by advisement after consultation with the graduate student.

Students are encouraged to follow one of the following plans:

THESIS PROGRAM: CERTIFICATION IN SPEECH PATHOLOGY

Core Courses (Required)

Speech 6

CDS 505-3 Phonological Development & Disorders
CDS 541-3 Neurogenics II

Language 6

CDS 507-3 Language Disorders
CDS 540-3 Neurogenics I

Speech or Language 9

CDS 438-3 Communication & Aging
Elective: 3 hours

3 hours from: CDS 408, 417, 418, 428, 460, 485, 510, 512, 517, 544, 548, 590

Speech, Language or Hearing 3

Elective: 3 hours

3 hours from: CDS 408, 417, 418, 428, 431, 450, 460, 485, 503, 510, 512, 517, 521, 525, 526, 528, 530, 533, 536, 544, 548, 550, 590

Courses selected must show a balance across professional fields of competency and interest.

Clinical Courses: 33 hours

CDS 594-3 (A), 594-3 (B), 594-2 (C)
CDS 598-12 Internship in Speech-Language Pathology & Audiology
CDS 598-12 Internship in Speech-Language Pathology & Audiology
(or CDS 597-12 Public School Practicum)
CDS 596-1, Hearing Diagnostics

Research Tools: 6 hours

CDS 500 Research Design in Speech Pathology & Audiology
3 hours statistics or research design

Note: 3 hours instrumentation course such as CDS 544-3 (above), or CDS 521

Thesis: 3 hours

3 hours from CDS 599

Total: 66 hours

Thesis students wishing ASHA Certification must also show on their undergraduate or graduate transcripts:
 6 additional credits in professional course work (language disorders, speech and hearing diagnostics);
 27 credits in basic science course work (a mathematics, biology or physiology, sociology, science, anatomy and physiology of speech, speech science, phonetics, voice or articulation, multicultural aspects of communication);
 12 credits in science or professional course work (3 credit courses in audiological diagnostics, audiological rehabilitation, psychology, an introduction to communication disorders).

Thesis students wishing Illinois Type-10 certification must also show on their undergraduate or graduate transcripts the following additional credits:

- 9 credits in communication skills (6 written, 3 oral)
- 3 credits mathematics
- 3 credits science with laboratory
- 3 credits history (American)
- 3 credits language structure (linguistics/English)
- 3 credits third world culture or non-western civilization
- 6 credits history, literature, philosophy or fine arts
- 3 credits government (American)
- 2 credits health and/or physical development
- 2 credits EDUC 314-A Human Growth, Devel & Learn
- 3 credits EDUC 315-3 Organization/Directing Instruction
- 3 credits EDUC 311-2 School and Society
- 3 credits EDUC 308-3 C-M Teaching Exceptional Children
- 3 credits EDUC 310-2 Study of Teaching
 - CDS 597-12 Public School Practicum
 - CDS 598-12 Clinical Internship (200 hours minimum)

NON-THESIS PROGRAM: CERTIFICATION IN SPEECH PATHOLOGY

Core Courses (Required)

- Speech 6
 - CDS 505-3 Phonological Development & Disorders
 - CDS 541-3 Neurogenics II
- Language 6
 - CDS 507-3 Language Disorders
 - CDS 540-3 Neurogenics I
- Speech or Language 9
 - CDS 438-3 Communication & Ageing
 - Elective: 3 hours
 - 3 hours from: CDS 408, 417, 418, 428, 460, 485, 510, 512, 517, 544, 548, 590
- Speech, Language or Hearing 3
 - Elective: 6-8 hours
 - 3 hours from: CDS 408, 417, 418, 428, 431, 450, 460, 485, 503, 510, 512, 517, 521, 525, 526, 528, 530, 533, 536, 544, 548, 550, 590
 - Courses selected must show a balance across professional fields of competency and interest.

Clinical Courses: 33 hours

- CDS 594-3 (A), 594-3 (B), 594-2 (C)
- CDS 598-12 Internship in Speech-Language Pathology & Audiology
- CDS 598-12 Internship in Speech-Language Pathology & Audiology
(or CDS 597-12 Public School Practicum)
- CDS 596-1, Hearing Diagnostics

Research Tools: 3 hours

- CDS 500 Research Design in Speech Pathology & Audiology
- Note: a 3 hours instrumentation course such as CDS 544-3 (above), or CDS 521

Research Paper: 3 hours

- 1 to 3 hours from CDS 593

Total: 66 hours

Non-thesis students wishing ASHA Certification must also show on their undergraduate or graduate transcripts:
 6 additional credits in professional course work (language disorders, speech and hearing diagnostics);
 27 credits in basic science course work (a mathematics, biology or physiology, sociology, science, anatomy and physiology of speech, speech science, phonetics, voice or articulation, multicultural aspects of communication);
 12 credits in science or professional course work (3 credit courses in audiological diagnostics, audiological rehabilitation, psychology, an introduction to communication disorders).

Non-thesis students wishing Illinois Type-10 certification must also show on their undergraduate or graduate transcripts the following additional credits:

- 9 credits in communication skills (6 written, 3 oral)
- 3 credits mathematics
- 3 credits science with laboratory
- 3 credits history (American)
- 3 credits language structure (linguistics/English)
- 3 credits third world culture or non-western civilization
- 6 credits history, literature, philosophy or fine arts
- 3 credits government (American)
- 2 credits health and/or physical development
- 2 credits EDUC 314-A Human Growth, Devel & Learn
- 3 credits EDUC 315-3 Organization/Directing Instruction
- 3 credits EDUC 311-2 School and Society
- 3 credits EDUC 308-3 C-M Teaching Exceptional Children
- 3 credits EDUC 310-2 Study of Teaching
 - CDS 597-12 Public School Practicum
 - CDS 598-12 Clinical Internship (200 hours minimum)

In addition to the academic programs detailed above, ASHA certification in speech pathology requires a minimum of 350 clock hours of supervised clinical experience in a combination of settings. Within these settings, there are requirements for types of disorders as well as ages of the population. These requirements are met by assignment to the university clinical center, off-site school practicums and off-site medical practicums. Students will average approximately 50 clock hours per semester in the university clinic and 100 hours in each of the off-site practicums. The actual semester hours of credit for the typical student will vary due to client load but approximately 33 semester hours of credit total (i.e., 3 semesters in the university clinic for 9 semester hours of credit total, and 12 semester hours for each of the two semesters off-site). It should be emphasized that it is the clock hours accumulated that is important in the clinical area and it may be necessary to exceed the 33 semester hours of clinical experience in order to obtain the necessary clock hours for certification. The total program for the M.S. degree meeting the ASHA certification requirements is usually a five semester program of approximately 66 semester hours of credit. Additional time may be required for the thesis program student, or if the student has not met the necessary prerequisites for graduate courses.

The College of Education and Human Services is entitled to certify students for the public schools; the Communication Disorders and Sciences Program of the Rehabilitation Institute is entitled to certify students for the American Speech Language Hearing Association. A comprehensive examination is required by the Graduate School for non-thesis programs. This requirement is met by the successful passing of the NTE ASHA Examination given at regular times during the year.

Courses (CDS)

408-3 Communicative Disorders: Craniofacial Anomalies. Development of cleft palate and related anomalies that cause communication disorders. Assessment and intervention of the communication disorders related to these impairments. Prerequisite: Coursework on the normal structure and function of the speech and hearing mechanism.

410-3 Multicultural Aspects of Communication Disorders. Students will explore different cultures and communication within these cultures. Emphasis will be placed on the relationship between cultural differences and communication disorders. Review of speech and language disorders in multicultural populations, as well as assessment and intervention strategies for use with this diverse group will be provided. Prerequisite: 302, 303 or consent of instructor.

419-3 Communication Problems of the Hearing Impaired. Objectives and techniques for the teaching of lip reading, speech conservation, and auditory training. Prerequisite: 302, 303 and 420 or equivalents and consent of instructor.

420-3 Introduction to Audiological Disorders and Evaluation. Bases of professional field of audiology (orientation, anatomy and physiology of the auditory system), major disease processes influencing hearing and their manifestations, measurement of hearing loss. Prerequisite: 203 and 214.

450-3 Neuroanatomical Basis of Human Communication. Examination of the central nervous system (brain and spinal cord) as it relates to normal and disordered human communication. Presentation of basic neuroanatomy, common neuropathologies relevant to communication disorders, and strategies in neurogenic problem solving. Prerequisite: 314 or consent of instructor.

460-3 Augmentative and Alternative Communication Systems. An introduction to alternative and augmentative communication systems for non-vocal clients. Discussions include: use of aided and unaided augmentative systems, assessment procedures and training. Prerequisite: 301 or consent of instructor.

485-1 to 9 (1 to 3 per section) Special Topics in Communication Disorders and Sciences. Topical presentations of current information on special interests of the faculty not otherwise covered in the curriculum. Designed to promote better understanding of recent developments related to disorders of verbal communication. Open to advanced undergraduate and graduate students with consent of instructor. The student may take only one section per 700 numbers.

491-1 to 9 (1 to 3 per semester) Individual Study. Activities involved shall be investigative, creative, or clinical in character. Must be arranged in advance with the instructor, with consent of the chair. Prerequisite: consent of chair.

492-3 Diagnostic Procedures in Communication Disorders. A course devoted to discussion of the role of the speech and hearing clinician as a differential diagnostician. Special emphasis is placed on correlating information obtained from the oral-peripheral examination, articulation and language evaluation, audiometric and case history information in constructing the initial evaluation report. Prerequisite: consent of instructor.

493-3 Basic Clinical Practice. Current information regarding diagnostic, treatment and documentation procedures in speech-language pathology will be presented through active observation in the clinical environment and classroom instruction. Prerequisite: consent of instructor.

500-3 Research Design in Speech Pathology and Audiology. Evaluation of the strategies and procedural tactics of behavioral research.

505-3 Phonological Acquisition. An introductory discussion of the important linguistic, physiological and acoustic variables which affect language production at the segmental and supra-segmental level of language; and an historical examination of the growth and development of distinctive feature systems from 1920 to the present. Concentration upon the mathematical, logical, physiological and acoustic assumptions of the various matrices, which have been developed. Prerequisite: 302 or equivalent and consent of instructor.

507-3 Language Disorders. Discussion of the application of current theoretical implications and research findings to the syntactically impaired. This course emphasizes diagnostic and therapeutic models applicable to language disorders. Opportunities for research and clinical experience with young children displaying developmental language problems will be provided. Required for Master's students. Prerequisite: 303 or consent of instructor.

510-3 Stuttering: Behavior Assessment and Therapy. Explores the assumptions underlying diagnosis and assessment. Procedures specific to the differential assessment of fluency failures are examined, evaluated and related to therapeutic strategies and the tactics of behavior change. Prerequisite: consent of instructor.

512-3 Voice Disorders. An intensive study of the variables of air stream modulation resulting from impaired structures and function of head and neck. Prerequisite: 318 or equivalent and consent of instructor.

517-3 Seminar: Language Disorders Birth to Three. In this course we will identify a typical physical growth, cognitive and motor functions and other areas of development that affect communication in children ages 0 to three years. It will also infuse cultural awareness, and provide information on working with families, peer professionals, processes of teaming, referral and collaboration. Prerequisite: 303 or equivalent or consent of instructor.

518-3 Problems of Communication and the Process of Aging. Review problems of communication related to the aging process and examine relevant diagnostic and therapeutic techniques.

519-3 Medical Speech-Language Pathology and Augmentative Communication. Disorders of communication that often occur in medical settings, including those related to traumatic brain injury and laryngectomy. Also focuses on persons with severe communication impairment and augmentative/alternative communication as a broad category of intervention procedures for this client population.

533-3 to 6 (3,3) Seminar: Speech and Auditory Perception. Special problems in hearing and communication science. Students may choose from a wide range of topics: speech acoustic, kinesthetic and vibrotactile perception, voiceprint identification, synthetic and compressed speech, digital speech, electro stimulation of hearing, and neurophysiological basis for perception. One or more topics are pursued in depth. The seminar may be repeated for a total of six hours with different content. Prerequisite: consent of instructor.

540-3 Neurogenic Disorders of Communication I. Focus on aphasia and neurolinguistic science. A clinically oriented presentation of the aphasias, and related CNS language disturbances, will be integrated with an introduction to the broader field of neurolinguistics. Clinical aspects will focus on assessment of rehabilitation approaches in aphasia and related disorders. Other topics include cortical language representation, hemispheric functions (general), and review of basic neurolinguistic literature. Prerequisite: 450 or consent of instructor.

541-3 Neurogenic Disorders of Communication II. Focus on the role of the pyramidal and extrapyramidal motor systems in speech production and speech disorders related to abnormalities in these motor systems. Discussion of the neurological basis and clinical management of the dysarthrias and verbal apraxia. Prerequisite: 540 or consent of instructor.

544-1 to 6 Seminar: Computer Techniques for Phonological Disorders in Children. A laboratory based examination of the distinctive features used by children in the normal and abnormal acquisition of phonology. Discussions and practical projects are developed to further the student's understanding of current assumptions concerning the acoustical aspects of abnormal phonation and speech sound production. Group projects are developed using computer based speech sound digitizing equipment. Course credit is based upon the time involved and the complexity of the topic. Digital software and laboratory examination topics are varied to meet individual student needs. May be repeated as topics vary to a total of 6 hours.

550-1 to 15 Professional Training Seminar. A special seminar that provides doctoral students the opportunity to prepare and present papers on various aspects of speech-language pathology and audiology. Liberal discussion will follow each paper. All doctoral students are required to enroll for one credit each semester until admitted to candidacy. Graded S/U only. Only four credit hours are counted toward the Ph.D. degree.

590-1 to 4 (1 to 2, 1 to 2) Readings in Speech-Language Pathology and Audiology. Supervised and directed readings in specific areas of speech pathology and in audiology. Maximum of two hours counted toward Master's degree. Prerequisite: consent of chair.

593-1 to 3 Research Problems in Speech-Language Pathology and Audiology. Individual work upon selected problems for research. Prerequisite: consent of chair.

594-1 to 18 (1 to 3 per semester) Advanced Clinical Practice Therapy/SLP. Active, supervised participation in the clinical process with emphasis on individualized assessment, treatment, counseling and documentation procedures. Overview of clinical practice in various settings, federal legislation and standards of ethical practice. Prerequisite: consent of instructor required.

595-1 to 18 (1 to 3 per semester) Advanced Clinical Practice: Diagnostic/SLP. Advanced clinical practicum in speech and language diagnosis. Populations of children and adults will be evaluated. Emphasis will be placed on diagnostic techniques used in evaluation, as well as preparation of evaluation reports. Prerequisite: CDS majors only and consent of instructor.

596-1 Advanced Clinical Practice: Hearing Diagnostics. Advanced clinical practice in hearing diagnostics. Emphasis will be placed on diagnostic techniques used in the preparation of basic and advanced audiological reports. Graded *S/U* only. Prerequisite: consent of instructor.

597-12 Public School Practicum. Public School internship provides the student with clinical experience under the supervision of a school-based certified speech-language pathologist. The student should receive experience with the disorders of fluency, articulation, voice, organics, language and hearing. The student should also gain administrative experience. Prerequisite: 150 to 200 clock hours and consent of instructor.

598-6 to 12 Internship Communication Disorders. Internship in a selected medical center, hospital clinic, community agency, or private clinic. The internship provides the student with an intensive, professional, clinical experience under supervision of qualified and certified resident staff members. Prerequisite: consent of instructor.

599-1 to 6 Thesis.

600-1 to 32 (1 to 16 per semester) Dissertation.

601-1 per semester Continuing Enrollment. For those graduate students who have not finished their degree programs and who are in the process of working on their dissertation, thesis, or research paper. The student must have completed a minimum of 24 hours of dissertation research, or the minimum thesis, or research hours before being eligible to register for this course. Concurrent enrollment in any other course is not permitted. Graded *S/U* or *DEF* only.

REHABILITATION ADMINISTRATION AND SERVICES

Students receive their degrees in Rehabilitation Administration and Services. Students may elect to pursue a sequence of classes in rehabilitation administration. However, those with fewer than three years of rehabilitation or related work experience are generally encouraged to take the vocational evaluation and placement sequence. All students must complete a minimum of 45 semester hours of graduate course work, which includes a full-time internship and a research paper or thesis. During the first semester of full-time study or a comparable period for part-time students, the student must have a plan of study approved by an adviser and the degree program coordinator. This plan of study normally includes rehabilitation core, professional course work, and elective coursework, although specific plans may differ for students with varying backgrounds and career goals. The requirements are as follows:

Rehabilitation Core (21 hours)

REHB 513-3 to 4 Medical and Psychosocial Aspects of Disability
 REHB 594a-3 Practicum in Rehabilitation
 REHB 595-8 Internship in Rehabilitation
 REHB 593-6 Research in Rehabilitation
 or REHB 593-3 Research in Rehabilitation
 and REHB 599-3 Thesis

Professional Coursework

The student must complete a series of courses approved by the student's faculty adviser and degree program coordinator. This series of courses will consist of the 21 hour rehabilitation administration concentration plus 3 hours of electives, or the 18 hour vocational evaluation and placement sequence and 6 hours of electives. Electives are chosen on the basis of their relevance to career goals. Persons graduating with the vocational evaluation and placement sequence and appropriate field experience (practicum and internship) are immediately eligible to sit for the CCWAVES examination. Persons graduating with the vocational evaluation and placement sequence, and a double major in rehabilitation counseling (including appropriate supervised field experience) are immediately eligible to sit for the CRC examination.

REHABILITATION ADMINISTRATION CONCENTRATION

REHB 570-3 Rehabilitation Administration
 REHB 573-3 Programming, Budgeting, and Community Resources
 REHB 576-3 Development and Supervision of Rehabilitation Employees
 REHB 578-3 Program Evaluation in Rehabilitation
 REHB 579-3 Advanced Fiscal Management in Rehabilitation

REHB 581-3 Professional Issues in Rehabilitation
 REHB 582-3 Seminar in Rehabilitation Services

Suggested Electives (minimum of 3 hours)

REHB 400-3 Introduction to Rehabilitation
 REHB 574-3 Staff Training and Development
 REHB 580-3 Professional and Community Relations in Rehabilitation

VOCATIONAL EVALUATION AND PLACEMENT SEQUENCE

REHB 400-3 Introduction to Rehabilitation
 REHB 450-3 Assistive Technology
 REHB 521-3 Vocational Development and Placement
 REHB 526-3 Issues in Supported Employment
 REHB 533-3 Vocational Appraisal
 REHB 583-3 Seminar in Vocational Evaluation

Suggested Electives (minimum of 6 hours)

Any course in the rehabilitation administration sequence.
 REHB 551-3 General Rehabilitation Counseling
 REHB 501-3 Rehabilitation Foundations
 REHB 531-3 Individual Assessment Procedures in Rehabilitation
 REHB 575-4 Case Management in Rehabilitation
 REHB 586-3 Seminar in Job Development and Placement

Practicum and Internship Requirements

Although students are usually required to complete at least 3 semester hours of practicum as well as a full-time internship, prior and concurrent work experience may be substituted for these requirements if recommended by the student's adviser and approved by the Rehabilitation Administration and Services faculty. The options available to the student wishing to substitute work experience for either practicum or internship requirements are as follows.

Option One. A student may request a waiver of the internship requirement and, if approved, substitute 3 semester credit hours of practicum and additional course work to bring the student's program up to the required 45 hour minimum.

Option Two. Students with extensive previous work experience in the field of rehabilitation may request waivers of both the practicum and internship requirements. If the waiver is approved, they will enroll in 6 semester hours of REHB 494, Work Experiences in Rehabilitation, and additional graduate course work up to the required 45 hour minimum. Students should not enroll in REHB 494 until a signed waiver approval is on file.

Waiver request related to options one and two above must be submitted by the student through the faculty adviser to the coordinator of the Rehabilitation Administration and Services program and must be approved by a vote of the Rehabilitation Administration and Services faculty. Waiver requests must include written documentation of the reasons for the request and provide sufficient supporting evidence. Suggested guidelines for the appropriateness of each of the options are: 1) option one for the student with three or more years of satisfactory rehabilitation-related work experience and 2) option two for the student with three or more years of satisfactory work experience directly related to the student's chosen professional course sequence. Student with minimal or no rehabilitation related work experience will be expected to complete the required three hours of practicum and a full-time internship.

Requirements for Research Paper or Thesis and Comprehensive Examination

All students are required to complete a scholarly research paper or thesis in a rehabilitation-related area and an oral comprehensive examination. The student completing a graduate thesis must orally defend it before a thesis committee.

REHABILITATION COUNSELING

Rehabilitation counseling is a process which assists individuals with disabilities to cope constructively with their disability, to maximize their abilities, and to enhance their quality of life physically, psychologically, socially, and vocationally. Through training, professional rehabilitation counselors obtain skills in counseling, evaluation, career exploration, job development and placement, and case management.

The focus of the rehabilitation counselor training program is to prepare professional rehabilitation counselors with the knowledge, skills, and attitudes needed to enter the field. During the training program, students acquire counseling skills, knowledge and understanding of medical and psychological impact of chronic illness and disability on all areas of the individual's life including vocational and independent living issues, as well as skills related to assessment and evaluation, and an understanding of the legislative, historical, and philosophical background of

rehabilitation. Student's professional development is encouraged through participation in professional rehabilitation counseling organizations.

The rehabilitation counselor training program is fully accredited by the Council on Rehabilitation Education (CORE). Graduates of the program are eligible to sit for the CRC (Certified Rehabilitation Counselor) examination, a national examination administered by the Commission on Rehabilitation Counselor Certification (CRCC).

General Requirements

The course of study within the rehabilitation counselor training program consists of a minimum of 48 semester hours and involves a blend of academic and clinical experiences. Students in the Rehabilitation Counseling Program must complete 42 hours after admission to the Rehabilitation Counseling Program. Students may transfer a maximum of 6 credit hours of credit taken prior to admission to the program to their 48 hour requirement if the course work is appropriate to Rehabilitation Counseling. Under no circumstances may previous work experience serve as equivalency for any credit hours or clinical practicum or internship experience. In addition to course work, students must complete one semester of practicum, one semester of internship, and a thesis, research paper, or research class in Rehabilitation. Before graduation students must also pass a comprehensive examination.

The required program of study is:

REHB 400 Introduction to Rehabilitation

REHB 521 Vocational Development and Placement

REHB 501 Introduction to Interpersonal Skills Development in Rehabilitation Counseling

REHB 513 Medical and Psychosocial Aspects of Disability

REHB 530 Assessment Procedures in Rehabilitation Counseling

REHB 551 Rehabilitation Counseling: Theory and Practice

REHB 575 Case Management in Rehabilitation Counseling

REHB 589 Professional Seminar in Rehabilitation

REHB 593 Research in Rehabilitation

or

REHB 593-A Research in Rehabilitation Counseling

or

REHB 599 Thesis

REHB 594c Practicum in Rehabilitation Counseling

REHB 595 Internship in Rehabilitation

Practicum and Internship Requirements

Students in the Rehabilitation Counseling program are required to complete a total of four semester credit hours of practicum in Rehabilitation Counseling. All practicum and internship sites must be pre-approved by Rehabilitation Counseling faculty. Practicum involves the student's participation eight hours per week for 16 weeks at the practicum site. The majority of the student's time in practicum must be spent in direct client counseling. Counseling sessions must be audio or video taped or have provision for direct supervision by the student's supervisor, such as through a two way mirror. Students in practicum are required to meet with their faculty supervisor once per week during the 16 weeks of practicum in order to review tapes of counseling sessions. Rehabilitation Counseling students are also required to complete a total of eight semester credit hours of internship in Rehabilitation Counseling. Prerequisite to internship is successful completion of the Rehabilitation Counseling practicum. General Rehabilitation Counseling internship requirements include an internship of 40 hours per week for 16 weeks or 20 hours per week for 32 weeks at a site approved by the Rehabilitation Counseling faculty, and one hour per week of supervision, preferably by a Certified Rehabilitation Counselor. During internship at least 50% of the student's responsibilities must include direct experience in individual and/or group counseling of persons with emotional, social, behavioral or physical disability.

Students are also given the opportunity within their program of study to take electives. In addition to the required course of study for rehabilitation counseling, students may choose to specialize in a particular area by taking additional elective courses. Examples of possibilities of specialization are listed below.

Studies in Substance Abuse

A special sequence of courses is offered within the rehabilitation counselor training program for students interested in working with individuals who have substance abuse problems. Students are required to complete a specific sequence of courses and an internship in a substance abuse treatment setting in addition to the courses required for the master's degree in rehabilitation counseling. Successful completion of this course sequence and field work enables students to sit for the Substance Abuse Counselor Certification Examination in Illinois. Graduate students from other disciplines in the University are eligible to enroll in these courses to complete substance abuse counselor certification requirements. The required courses are:

REHB 461: Introduction to Alcoholism & Substance Abuse

REHB 471: Rehabilitation and Treatment of Alcohol and Drug Abusers

REHB 558: Rehabilitation of Special Alcohol and Drug Abusing Populations

REHB 566: Alcoholism, Drug Abuse and the Family

Studies in Substance Abuse with Rehabilitation Counselor Training Program is accredited by the Illinois Alcohol and Other Drug Abuse Certification Association, Inc. (IAODAPCA)

Studies in Aging

This area of special study offered within the Rehabilitation Institute includes a sequence of three elective courses in aging in addition to those courses required for the general rehabilitation counseling curriculum, and an internship in an agency or facility which serves older adults. Students in other disciplines within the University are eligible to enroll in any of the three courses in aging, however only rehabilitation students will be eligible for the internship.

DOCTOR OF REHABILITATION

The doctoral program in rehabilitation prepares students to function effectively as rehabilitation educators, researchers, or administrators. It does this by fostering the student's development and acquisition of relevant conceptual and experiential skills in evaluation and research methodologies, in rehabilitation service, in rehabilitation education practices, or in the management of service units.

Admission and Retention Standards

All applicable policies and procedures of the Graduate School with regard to the admission of doctoral students will be followed. Requirements for admission to the doctoral program in rehabilitation exceed those of the Graduate School. The admissions committee of the doctoral program will review all candidates carefully for their special strengths. The following will be considered for all candidates.

1. High academic achievement (normally indicated by a grade point average of 3.5 on a 4-point scale) in a master's program in rehabilitation or a closely related field at an accredited university.
2. Interest in conducting rehabilitation research.
3. Two years of successful performance equivalent to full-time paid employment (post-baccalaureate) in a rehabilitation or related professional position. This may include an approved internship experience at the master's level.
4. At least three letters of recommendation by professional persons familiar with the applicant's performance in academic, research, or service work settings.
5. GRE scores dating back no farther than 5 years.

Applicants will be considered for acceptance into the doctoral program at the beginning of either the fall or spring semester. Courses in which a grade below *B* is obtained will not be counted toward satisfying the hour requirements for the degree.

Doctoral Committee

The student shall select a chair who will serve as his/her major adviser. In consultation with the chair the student shall select a doctoral committee which is approved by the coordinator of doctoral studies and the Graduate School. At least one member shall be external to the Rehabilitation Institute.

Working together with the chair, the student shall develop a plan of study, designating the courses to be completed. This plan shall be approved by the student's doctoral committee and by the coordinator of doctoral studies and then shall be made a matter of record. Further, the doctoral committee shall serve as the student's dissertation committee.

Admission to Candidacy

Admission to candidacy is granted by the dean of the Graduate School upon the recommendation of the faculty responsible for the student's program after the student has fulfilled the Graduate School residency requirement for the doctoral degree and passed the preliminary examinations.

The written preliminary examinations are designed to assess the breadth and depth of the student's knowledge. They are prepared, administered, and evaluated by Rehabilitation Institute faculty committees appointed by the coordinator of doctoral studies. The preliminary examinations will ordinarily be taken in the fall of the second year of doctoral study.

Dissertation

After admission to candidacy, the student will prepare a dissertation based on original research conducted under the direct supervision of the dissertation chair and committee. The requirements of the Graduate School will govern the formation of the dissertation committee and the preparation and defense of the dissertation. While the dissertation is in preparation, the student will register for no fewer than 24 semester hours in REHB 600, Dissertation. The dissertation should conform to the current edition of the *Publication Manual of the American Psychological Association* and the standards required by the Graduate School.

Degree Requirements

The Doctor of Rehabilitation program emphasizes mastery of skills in research methodology, knowledge of medical and psychosocial aspects of disability, and knowledge of public policy on disability, as well as competency in the area of rehabilitation counseling, rehabilitation administration, behavior analysis and therapy, or communication disorders and sciences. The course of study requires a minimum of 96 post-baccalaureate semester hours, 24 of which

are dissertation hours and 36 of which are fulfilled by required courses. All remaining coursework taken by the student will be electives, selected with the approval of the student's doctoral committee.

Required Courses

The student must have successfully completed the following courses no later than 24 months after entering the Doctor of Rehabilitation program:

EPSY 506-4 Inferential Statistics
 EPSY 507-4 Multiple Regression
 REHB 509a-3 Single Subject Experimental Designs
 REHB 509b-3 Group Experimental Designs
 REHB 588-3 Seminar in Research in Rehabilitation
 REHB 513-3 or 4 Medical and Psychosocial Aspects of Disability
 REHB 581-3 Legal and Ethical Issues
 REHB 589-3 Professional Seminar in Rehabilitation

Nine semester hours in REHB 592: Professional Supervision in Rehabilitation (teaching or research) must also be successfully completed during the student's tenure in the Doctor of Rehabilitation Program.

The student's preparation at the master's level will be evaluated and up to 30 hours of didactic course work may be accepted toward the completion of the 96 hour minimum requirement for the doctorate. Graduate level didactic courses in rehabilitation counseling, rehabilitation services, rehabilitation administration, behavior analysis and therapy, and communication disorders and sciences will usually be acceptable. Course work in related areas such as counseling, psychology, and social work may qualify.

The goal of the program is to develop high quality professionals. Thus, the student must demonstrate competence in the areas of rehabilitation services offered by the Rehabilitation Institute. This is accomplished through the student's master's degree program, previous work experience, the required courses, supervised professional experiences, and electives. Rh.D. degree graduates should be well prepared for leadership roles in the areas of rehabilitation administration, service, education, or research.

Certificate in Gerontology

The Rehabilitation Institute participates in the Certificate in Gerontology interdisciplinary program and offers a class, REHB 405 Introduction to Aging and Rehabilitation, which is a Certificate requirement. For more information on the Certificate program, please see Certificate Programs in Chapter One.

Courses (REHB)

Courses in this unit may require the purchase of supplemental materials not to exceed \$10 per course. Field trips are required for certain courses.

400-3 Introduction to Rehabilitation. An introduction to the broad field of rehabilitation, to include the processes (services), facilities and personnel involved. Note: students can enroll in the didactic portion for two credits, or three credits if they elect the field trips. No student can take the field trips alone without taking the didactic portion as well.

401-3 Disability, Diversity and Society. This course will address the relationship between prevailing societal attitudes and environmental designs and the opportunity of persons with disabilities to participate fully in society. It will examine the physical, mental, gender and cultural characteristics of persons with disabilities as determinants of their needs, values, aspirations and opportunities. How public policies can promote or limit inclusion and equal opportunities for persons with disabilities will also be addressed.

403-3 Independent Living Rehabilitation. Survey of principles and methods of independent living for persons with disabilities with attention to client assessment for rehabilitation, effective techniques for specific individuals with disabilities, and the variety of types and organization of independent living programs.

405-3 Introduction to Aging and Rehabilitation. Introduction to the field of aging. Includes social, political, economic and legal issues pertinent to an aging society and rehabilitation.

406-3 Introduction to Behavior Analysis and Therapy. A survey of the principles and procedures in behavior analysis and therapy and the scope of its application to human needs and problems.

419-1 to 3 Cross-Cultural Rehabilitation. (Same as Black American Studies 490.) Major focus on the relationship/comparison of basic cultural, economic and psychosocial processes relative to the rehabilitation of people in contemporary societies. Prerequisite: consent of instructor.

426-3 Issues in Supported Employment. Focuses on community work options for adults with severe disabilities. These community work options, supported work and supported employment, the issues surrounding transition from school to work, and the difference between sheltered and non-sheltered employment will be discussed from philosophical and practical viewpoints. Prerequisite: 400.

445-3 to 12 Rehabilitation Services with Special Populations. Procedures and programs pertinent to the care and treatment of special populations. Three semester credits will ordinarily be granted for each unit. Prerequisite: consent of instructor.

(a)-9 (3, 3, 3) Alcohol and Drug Abuse.

(b)-9 (3, 3, 3) Emotionally Disturbed.

(c)-9 (3, 3, 3) Juvenile Offender.

(d)-9 (3, 3, 3) Mental Retardation.

(e)-9 (3, 3, 3) Physically Disabled.

(f)-9 (3, 3, 3) Public Offender.

(g)-9 (3, 3, 3) Sensory Disabled.

(h)-9 (3, 3, 3) Developmental Disabilities.

446-3 Psychosocial Aspects of Aging. Selected theories of psychosocial aspects of aging will be presented and the psychological and sociological processes of aging with the ensuing changes will be related to these conceptual frameworks. Included for discussion and related to field experience will be such concerns as stress reactions to retirement, physical disabilities, impact of reduced economic resources, and other personal-social changes in aging. Topics will address the knowledge base needed by students concerned with rehabilitation of aging clients in institutional, community and home settings. Therapeutic techniques to ameliorate these stresses will be an integral part of the course.

447-3 Biomedical Aspect of Aging. The aging process in a life-span developmental perspective; biological theories of aging, physiological changes in middle and old age and their effects on behavior, performance potential, and psychosocial functioning; senility and other age-related disabilities, their prevention and management; geriatric health maintenance and rehabilitation; institutionalization; death and dying. No prerequisites.

450-3 Assistive Technology. This course reviews applications of assistive technology (AT) used by people with disabilities. The course covers various types of AT ranging from low to high technology. Additionally, the course explores devices that are commercially available and those that are customized. Strategies for modifying tasks rather than using technology are reviewed.

452-3 Individual Service Planning. This course provides students with the skills to develop individual service plans for individuals being served in community rehabilitation programs. Topics covered include person-centered assessment, functional community based training, and written treatment plans. Prerequisite: 406 and 445h or consent of instructor.

453-1 to 4 Personal and Family Life Styling. The academic and personal competencies that are characteristic of fully-functioning, integrated persons within the context of our twentieth century environment will be systematically reviewed for adoption in every day living as well as in professional functions. Participants will focus on and experience life styling theories, models, and skills for their own growth and development and learn to assess basic risk-factors in their rehabilitation clients and families prior to helping them program a more balanced, synergistic, and holistic approach to living. Prerequisite: consent of instructor.

461-3 Introduction to Alcoholism and Drug Abuse. Orientation and introduction to a variety of topics related to alcohol and drug abuse; surveys history, theories of cause and development, consequences of abuse, classes and types of drugs, legislation and other current issues relating to substance abuse and addiction.

468-3 Sexuality and Disability. Research and rehabilitation practices pertaining to the unique psychosexual aspects of various chronically disabling conditions will be examined.

471-3 Rehabilitation and Treatment of the Alcohol and Drug Abusers. A comprehensive examination of substance abuse treatment and rehabilitation; focus on various treatment approaches, treatment settings, and types of counseling to include an overview of individual, group and family techniques; the rehabilitation counselor's role is addressed and necessary skills in treating drug and alcohol abusers. Prerequisite: 461 or consent of instructor.

479-3 Technical Writing in Rehabilitation. Fundamentals of writing skills for rehabilitation specialists, including preparation and drafting of program/grant proposals, vocational evaluation/work adjustment reports, news releases and other publicity materials. Prerequisite: consent of instructor.

490-1 to 6 (1 to 3 per semester) Readings in Rehabilitation. Supervised readings in selected areas. Prerequisite: consent of instructor.

493-3 Clinical Evaluation. This course will provide students with the skills necessary to act as critical consumers of rehabilitation-related research. It will also provide students with the analytical skills necessary to apply the logic of research methodology to their work with consumers. The relationship between the scientific process and rehabilitation services will be emphasized throughout the course, including an introduction to research on program evaluation. Also emphasized will be the critique and interpretation of published research, as well as the writing competencies required for a student to successfully prepare a literature review paper. Prerequisite: simultaneous enrollment in or prior completion of 406.

494-1 to 12 Work Experience in Rehabilitation. Credit granted for work experience in rehabilitation. Rehabilitation 494 and 594 both cannot be counted for a graduate degree, only one or the other can satisfy requirements toward a Master's degree. Graded S/U. Prerequisite: consent of department.

501-3 Introduction to Interpersonal Skills Development in Rehabilitation Counseling. Focuses upon facilitative interpersonal communication skills necessary in Rehabilitation Counseling Practice. The course provides theory and practice in facilitative interpersonal communication in counseling, behavior therapy and administration services. Included is pre-practicum orientation. Prerequisite: consent of instructor.

503-3 Basic Behavior Analysis. Philosophy, terminology, and basic methodology of experimental and applied behavior analysis. Focuses on a variety of operant and respondent conditioning procedures for shaping new behaviors and modifying established behaviors. Prerequisite: consent of instructor.

504-3 Foundations of Rehabilitation Research. This course includes: the logic of scientific inquiry; the concepts of research questions and hypotheses; the notion of variables; the relationship among theoretical constructs, operationalism, and measurement instrument reliability and validity; the concepts of control, internal validity and casual

inference; sampling methods and external validity; and experimental and descriptive research. Prerequisite: enrollment in Rh.D. degree program or consent.

507-3 Behavior Consultation and Management. Focus on the behavior analysis techniques needed for use in organizational and consultation settings. The fundamentals for developing effective consulting relationships are presented. Skills for becoming a behavior analytic consultant in clinical settings such as schools, developmental disability facilities, and managed care environments are presented. Additional behavior analytic consultant skills will be taught for effective practice of organizational behavior management in business and industry settings. Prerequisite: 503.

508-3 Complex Behavior Analysis. Experimental analysis of procedures that result in acquisition, maintenance, and attenuation of complex individual and social behavior. Prerequisite: consent of instructor.

509-6 (3,3) Behavior Analysis Research Designs. Focuses on behavior analysis research design and methodology. Three semester hours will be granted for each unit. **(a)** Single subject experimental designs; **(b)** Group experimental designs. Prerequisite: consent of instructor.

512-3 Legal and Ethical Issues in Behavior Analysis. Focuses on federal and state legislation, litigation, policies, guidelines, and other forms of legal and ethical control of the professional practice of behavior analysis and therapy. Implications for research and service will be discussed. Prerequisite: consent of instructor.

513-1 to 4 Medical and Psycho-Social Aspects of Disability. A review of the impact of disease and trauma on the human system with special attention on the effects physical limitations and socio-emotional correlates have on human functioning and the rehabilitation process. Prerequisite: consent of department.

515-3 Behavioral Applications to Medical Problems. Examines the use of behavior change procedures and applied behavior analysis in the treatment and rehabilitation of medically related problems such as obesity, alcoholism, headaches, hypertension and cerebral palsy; also, compliance to medical regimens, e.g., diabetes, dental hygiene, exercise; and promotes the utilization of health facilities and community health programs. Issues in training medical personnel to disseminate behavior change programs are also covered. Prerequisite: 503 or consent of instructor.

521-3 Vocational Development and Placement. Relates the psychosocial meaning of work, process of vocational development, theories of occupational choice and labor market trends to current and innovative methods of job development, selective placement and follow-up with individuals with disability. Prerequisite: consent of instructor.

530-3 Assessment Procedures in Rehabilitation Counseling. Review of fundamental bases of measurement, criteria for evaluating tests, exposure to representative instruments in major categories, and use of test and work samples in assessing the functioning abilities and work potential of individuals with disabilities to seek and hold gainful employment. Prerequisite: consent of instructor.

531-3 Individual Assessment Procedures in Rehabilitation. Thorough familiarization and practice with independent assessment devices used in program selection and job placement of individuals with various handicaps. Prerequisite: 431 and consent of instructor.

533-3 Vocational Appraisal. An extensive exposure to instruments designed for use with vocational rehabilitation clients. Administration and interpretation of a wide variety of instruments used to gain information to be used in planning for vocational development. Both didactic and experiential to include consideration of information obtained from interviews, tests, and other diagnostic techniques. Prerequisite: consent of instructor.

535-3 Behavioral Observation Methods. Behavioral targeting, observational recording techniques, and issues of validity and reliability of measurement relevant to rehabilitation will be examined. Prerequisite: previous or concurrent enrollment in either 409, 452, or 503 or consent of instructor.

543-3 Child Behavior. A systematic analysis of child behavior. Included is an examination of popular books on child rearing. Emphasizes approaches for remediation of behavior disorders. Prerequisite: consent of instructor.

545-3 Behavior Analysis in Developmental Disabilities. Consideration of behavioral principles as applied in the development of responsive behavior in persons with developmental disabilities. Prerequisite: consent of instructor.

551-4 Rehabilitation Counseling: Theory and Practice. A didactic and experiential analysis of the underlying theory and techniques of individual and group counseling of individuals with disabilities. Prerequisite: consent of instructor.

557A-3 Self-Regulation of Behavior: Self-Control. The course provides a thorough review of self-control techniques and their application to habit disorders such as smoking, eating, exercise, time-management and nervous habits. Prerequisite: consent of instructor.

557B-3 Self-Regulation of Behavior: Biofeedback. The course provides a comprehensive review of experimental and clinical studies of biofeedback. It concentrates on stress related disorders and provides supervised laboratory experience. A \$10 laboratory fee is charged. Prerequisite: consent of instructor.

558-3 Rehabilitation of Special Alcoholic and Drug Abusing Populations. Emphasis is on the characteristics, assessment, rehabilitation, and unique problems of drug and alcohol abusers within specific populations. Particular attention is given to substance abuse of women, minorities, elderly, adolescents, homosexuals and disabled. Prerequisite: 461 or consent of instructor.

560-3 Private Sector Rehabilitation. A comprehensive introduction to many of the unique characteristics of rehabilitation services offered within the private-for-profit sector which can be applied by practitioners on a national basis.

563-3 Behavioral Analysis: Community Applications. All aspects of behavior analysis applications in the community are examined including historical development, the "state of the art", practical issues and obstacles to

conducting behavioral analysis/community research; future trends and directions. Prerequisite: 503 or consent of instructor.

566-3 Alcoholism, Drug Abuse and the Family. The family system model is emphasized as a rehabilitation procedure for drug and alcohol abuse. Examines etiology of drug and alcohol abuse, assessment procedures, treatment and rehabilitation, and associated problems such as spouse or child abuse, divorce, and incest from a family context. Prevention techniques are additionally covered. Prerequisite: 461 or consent of instructor.

567-3 Behavioral Theories of Addiction. Focus on the behavior analysis techniques needed for use in the diagnosis and treatment of various addictions. The fundamentals of scientific behavioral research in addiction are presented along with current effective treatment strategies that promote behavior change. Skills will be developed for becoming a behavior analytic addiction researcher or treatment provider in clinical settings serving persons with gambling and other addictions.

570-3 Rehabilitation Administration. Problem solving approach to current issues in organizational structure and management functions in public and voluntary rehabilitation agencies, decision making, leadership, program development and evaluation.

573-3 Programming, Budgeting, and Community Resources. Designed to prepare the student to develop and operate comprehensive or specialized rehabilitation programs with special attention to resource development, fiscal management, and community and public relations. Prerequisite: 570 or consent of instructor.

574-3 Staff Training and Development. This course prepares the student to design, implement, and supervise an institutional program to train staff in methods of direct service to the institution's clients. Each student will actually design and submit a program through simulation. Lecture/workshop format.

575-4 Case Management in Rehabilitation Counseling. Basic procedures in providing and coordinating available human services based on individual need in the context of a professional-client relationship, and the basics of recording and reporting such services. Prerequisite: consent of instructor.

576-2 to 3 Development and Supervision of Rehabilitation Employees. Current and progressive supervisory practices in rehabilitation with emphasis on employee development through in-service training, periodic evaluation and related methods. Prerequisite: consent of instructor.

578-3 Program Evaluation in Rehabilitation. An analysis of the development and utilization of a program evaluation system in rehabilitation settings with focus given to system design, monitoring techniques and service program development. Students will be trained in the advanced practice of program evaluation techniques and their application to rehabilitation settings. Prerequisite: consent of instructor.

579-3 Advanced Fiscal Management in Rehabilitation. Application of fund and functional accounting in rehabilitation to include fiscal reporting and record keeping, fiscal planning and management in rehabilitation. Prerequisite: 570 and 573.

580-3 Professional and Community Relations in Rehabilitation. Examination of the linkages and needs of rehabilitation programs and agencies in the area of community and professional relations, with special reference to the role of administrator. Application of marketing principles to the management of external relations in rehabilitation settings. Prerequisite: consent of instructor.

581-3 Professional Issues in Rehabilitation. Focus is on legal and ethical issues and issues related to legislative and public policy formulation. Implications for rehabilitation programs, practice and research are emphasized.

582-3 Seminar in Rehabilitation Services. Special consideration of factors in the organization and management of rehabilitation services. Prerequisite: consent of instructor.

583-1 to 4 Seminar in Work Evaluation. Select attention to procedures/models for assessing work readiness of personnel with disabilities. Prerequisite: consent of instructor.

584-1 to 6 (1 to 3 per semester) Seminar in Behavior Analysis and Therapy. Special topics and new developments in modifying human behavior. Prerequisite: consent of instructor.

585-1 to 4 Seminar in Counseling/Coordination Services. Consideration of special issues in counseling and delivery of services. Prerequisite: consent of instructor. (a) Guided Imagery (b) Group Counseling in Rehabilitation.

586-3 Seminar in Job Development and Placement. Consideration of special issues in job development and placement philosophy, techniques and research concerning individuals with disabilities. Prerequisite: consent of instructor.

587-3 Seminar in Correlates of Disability. A systematic analysis of the behavioral socio-cultural implication of disabling conditions. Emphasizes the rehabilitation process in remediation of debilitating conditions. Prerequisite: 513 or consent of instructor.

588-3 Seminar in Research in Rehabilitation. Advanced seminar focusing upon specialized and advanced topics in research in rehabilitation. This course is designed to prepare doctoral students in rehabilitation with the special tools needed to carry out doctoral dissertation and other advanced research projects. Prerequisite: consent of instructor.

589-1 to 18 (1 per semester) Professional Seminar in Rehabilitation. The course involves advanced level presentations focusing on current research, applied practices, and innovations in rehabilitation. Presentations are made by faculty, graduate students and guest experts. A minimum of four semester hours required for Doctor of Rehabilitation degree.

591-1 to 18 Independent Projects in Rehabilitation. Systematic readings and development of individual projects in pertinent rehabilitation areas. No more than six hours may be counted toward the Master's degree. Prerequisite: consent of instructor.

592-1 to 16 Professional Supervision in Rehabilitation. Experience provided in the supervision of research, teaching, and rehabilitation services. No more than four hours may be taken in any semester. Prerequisite: Doctoral student in rehabilitation and consent of instructor.

593-1 to 18 Research in Rehabilitation. Systematic investigation of factors and procedures relevant to rehabilitation. No more than six hours may be counted toward the Master's degree. Prerequisite: consent of instructor.

593A-1 to 18 Research in Rehabilitation. Systematic investigation of factors and procedures relevant to rehabilitation. No more than six hours may be counted toward the master's degree. **(a)** Counseling. To facilitate knowledge/skill acquisition for the rehabilitation professional in becoming a knowledgeable consumer of rehabilitation research. To facilitate the completion of the Master's project. Prerequisite: consent of instructor.

594-1 to 12 Practicum in Rehabilitation. Supervised experiences in agencies in rehabilitation. **(a)** Administration. Rehabilitation facilities management/supervision, in planning, programming and evaluation. **(b)** (Same as Psychology 596.) Behavior analysis and therapy. Application of behavioral analysis/methods in human treatment and in management. **(c)** Counseling. Development of counseling skills with individuals and groups to include work related functions. Prerequisite: **(a,b,c)** admission to the specific degree program; **(c)** 501, 551, and 589.

595-1 to 12 Internship in Rehabilitation. **(a)** Extended practice in rehabilitation settings cooperatively guided and supervised by agency staff and university faculty. Graded *S/U* only. Prerequisite: appropriate degree specific practicum and consent of department. **(b)** Counseling. Development of advanced counseling skills with individuals with disability and other work-related functions. Graded *S/U* only. Prerequisite: 594c.

599-1 to 6 Thesis. Prerequisite: consent of instructor.

600-1 to 30 (1 to 12 per semester) Dissertation. Minimum of 24 hours to be earned for the Doctor of Rehabilitation degree. Prerequisite: doctoral candidate in rehabilitation.

601-1 per semester Continuing Enrollment. For those graduate students who have not finished their degree programs and who are in the process of working on their dissertation, thesis, or research paper. The student must have completed a minimum of 24 hours of dissertation research, or the minimum thesis, or research hours before being eligible to register for this course. Concurrent enrollment in any other course is not permitted. Graded *S/U* or *DEF* only.