



College of Technology

Marilyn Davis, Ed.D., Dean
Debbie Thompson, M.Ed., Associate Dean

Geomatics Technology

Professor: Wissa
Associate Professor: Bajracharya

Geomatics Graduate Courses

(No graduate degrees are offered)

GEMT g530 Principles and Applications 3 credits. Introduction to theory and use of GPS for mapping and survey quality application. Includes basic and advanced principles of GPS positioning, Differential GPS, types of GPS receivers, static, kinematics and RTK procedures, vector processing and adjustment using least squares concept, OPUS processing, coordinate creation and export results for use in specific application. PREREQ: CET/GEMT 224 OR PERMISSION OF INSTRUCTOR.

GEMT g532 Principles of Photogrammetry 3 credits. Introduction to vertical photo geometry and its scale, relief and tilt displacement, stereoscopic viewing, parallax measurement, mosaics, orientations, development of planimetric and topographic maps, flight planning, softcopy photogrammetry and introduction to aerial triangulation. PREREQ: CET/GEMT 224 OR PERMISSION OF INSTRUCTOR.

Department of Human Resource Training and Development

Chair and Professor Croker
Professor: Johnson
Assistant Professor: Wilson Scott

Master of Training and Development

The Master of Training and Development, aligned with State educational standards, provides the adult learner with opportunities to engage in the processes of inquiring, learning, and applying known competencies within the fields of Human Resource Development and Professional Technical Education.

The Master of Training and Development is designed to strengthen the student's understanding, knowledge, and skills in three major areas—Professional Core Requirements, Training Management Studies, and Integrative Field Research Studies—as they relate to Training and Development.

Individuals applying for admission to the Master of Training and Development program must meet the following admission requirements:

- Bachelor's degree from a college or university accredited in the United States or its equivalent from a school in another country.
- Grade point average of 3.0 or higher for all upper division credits taken at the undergraduate level.
- The student must apply to, and meet all criteria for, admission to the Graduate School.

Students must complete a minimum of 36 semester credit hours for the Master of Training and Development. All candidates completing a thesis will orally defend the thesis, but will not complete written comprehensive examinations. All candidates not completing a thesis will be required to orally defend the findings of their field research. In addition, the Department of Human Resource Training and Development requires candidates to have a knowledge of statistical procedures.

Students seeking Idaho certification in the area of their training must meet any requirements of the State Board of Education for certification.

Professional Studies Core

HRD 504	Evaluation in Corporate Training and Professional-Technical Education	3 cr
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HRD 505	Learning Styles Fundamentals	3 cr
HRD 509	Professional Readings and Writing in HRTD	3 cr
HRD 632	Research Methods in HRD	3 cr

Training Management Studies

HRD 633	Program Planning and Development in HRTD	3 cr
HRD 634	Administration of HRTD	3 cr

An additional 12 semester hours must be taken from department courses or courses outside the department approved by student's major advisor.

Integrative Field Research Studies

HRD 650	Thesis	6 cr
	OR	
HRD 635	Practicum in Training Administration	3 cr
HRD 645	Field Research Project in Training Management	3 cr

Training and Development Graduate Courses

HRD g501 Foundations of Professional-Technical Education 3 credits. Acquaints the student with the various aspects of professional-technical (formerly vocational) education: history, legislation, philosophy and organization of professional-technical education.

HRD g502 Occupational Analysis and Course Construction 3 credits. Analysis of components of occupations to determine instructional content. Development of instructional materials based on performance objectives and competency identification.

HRD g503 Methods for Teaching Professional-Technical Education 3 credits. Teaching methods and techniques applicable to professional-technical education.

HRD g504 Evaluation in Corporate Training and Professional-Technical Education 3 credits. Designing and conducting evaluations at four levels in professional-technical education, and in business and industry training, including data analysis and preparation of evaluation reports.

HRD g505 Learning Styles Fundamentals 3 credits. Examination of the research related to learning styles and implications for curriculum and instruction. Includes presentation of an eight-step approach for teaching instructional content.

HRD g506 Grantwriting in Human Resource Training and Development 3 credits. Reasons for requesting a grant, goal setting, sample projects, identifying funding agencies, submitting a Request for proposal (RFP), elements of a good proposal, library resources, web sites, and other references for grant writing.

HRD g507 Technology in Human Resource Training and Development 3 credits. Using computers in HRTD: hardware, software, and

peripherals. Advanced word processing, database development, spreadsheets, and presentations software. How to access and use the Internet. Web-based instruction software will be introduced.

HRD g509 Professional Readings and Writing in HRTD 3 credits. Exposure to the professional literature and web sites of professional-technical education and corporate training, including practice in writing abstracts of journal articles using APA Style.

HRD g520 Selected Topics 1-8 credits. Examination and analysis of special topics for professional-technical education teachers/trainers. May be repeated up to 8 credits with different content. PREREQ: PERMISSION OF INSTRUCTOR.

HRD g531 Workforce Leadership 3 credits. Supervising in a professional-technical education or corporate training setting. Study human relation factors: planning, organizing, evaluation, staff development, labor relations, and personnel policies/practices.

HRD g544 Career Guidance and Special Needs in Professional-Technical Education 3 credits. Examine career guidance concepts, specialist services, special needs legislation, abilities and inabilities (both mental and physical), job seeking skills, and information sources.

HRD g550 Principles of Adult Education 3 credits. Provides an understanding of adult education as a field of academic inquiry and professional practice. Examines current and past trends and practices of adult learning.

HRD g557 Facilitating Adult Learning 3 credits. Study of the needs and interests of adult learners in business and industry using Andragogy. Planning of conferences and workshops for adult learners.

HRD g561 Directed Studies 1-4 credits. Individual work under staff guidance. Field research on specific occupational advances in technology. INSTRUCTOR APPROVAL REQUIRED PRIOR TO REGISTRATION.

HRD g564 Instructional Facilities Management 3 credits. Organization, safety and management of professional-technical education training facilities. An in-depth study of laboratory requirements and total facility planning.

HRD g565 Practicum in Corporate Training 3 credits. Development of training competencies in an actual business and industry settings. Actual participation as a trainer is required. PREREQ: PERMISSION OF INSTRUCTOR. Graded S/U.

HRD g568 Teaching Cooperative Education and School-to-Work 3 credits. Coordinating cooperative programs and school-to-work programs, occupational and job analysis, utilizing professional-technical advisory committees, organizing and advising vocational student organizations.

HRD g580 Advanced Technical Competency 1-4 credits. Advanced occupational skills and knowledge obtained from modern practice in selected field. For experienced professionals seeking advanced techniques in specialized areas of vocational education. PREREQ: INTERMEDIATE LEVEL STUDY IN THE SPECIALTY. PERMISSION OF INSTRUCTOR REQUIRED PRIOR TO REGISTRATION.

HRD 597 Professional Education Development Topics. Variable credit. May be repeated. A course for practicing professionals aimed at the development and improvement of skills. May not be applied to graduate degrees. Must be graded S/U.

HRD 632 Research Methods in HRD 3 credits. Examination of methods for designing and conducting research in both educational and workplace settings. Introduction to procedures for summarizing and analyzing quantitative and qualitative data with proper style and format requirements for formal report writing. PREREQ: HRD g509 OR PERMISSION OF INSTRUCTOR.

HRD 633 Program Planning and Development in HRTD 3 credits. Preparing local plans for professional-technical education or training programs for business and industry. State, federal and private sector guidelines for program implementation, and effectiveness explored.

HRD 634 Administration of HRTD 3 credits. Examination of the executive functions of the professional-technical or training administrator. Attention to budgeting, reporting, facility and equipment management, negotiations, advisory committees, and community relations.

HRD 635 Practicum in Training Administration 3 credits. An individually designed internship under the supervision of the faculty and an experienced local professional-technical administrator or training manager. PREREQ: PERMISSION OF INSTRUCTOR.

HRD 637 Practicum 1-3 credits. An individually designed practicum under the supervision of the HRTD faculty and an experienced practitioner in the field of Human Resource Training and Development. May be repeated up to 6 credits. Graded S/U.

HRD 640 Seminar in Training Management 1-2 credits. Current topics in the management of human resource development presented by department faculty and visiting lecturers. Maximum of 2 credits applied to the degree. Graded S/U.

HRD 645 Field Research Project in Training Management 1-3 credits. An individual field research project must be completed; a written report and oral explanation of the report will be required. May be repeated up to 6 credits. Graded S/U.

HRD 650 Thesis 1-6 credits. Graded S/U.

HRD 660 Contemporary Issues in HRD 3 credits. Exploration of issues relating to the functions of HRTD - Individual Development, Career Development and Organizational Development. Emphasis on how these functions relate to the industrial/business environment.

HRD 661 Management Issues in HRD 3 credits. Critical analysis and discussion of contemporary issues relating to management in HRD. Includes review of current research and theory.

HRD 662 Distance Learning Delivery Practices 3 credits. Exploration of the distance delivery medium including on-screen practices, media development, curriculum planning, instructional strategies, technical support. Includes review of research and theory relating to distance learning.

HRD 663 Instructional System Evaluation 3 credits. Critical analysis and discussion of the roles of evaluation in corporate training. Emphasis on theories of program and curriculum evaluation.

HRD 664 Topics in Human Resource Development 3 credits. Critical analysis of current topics in human resource development. Opportunities will be provided for students to study independently with specialists in topic areas.

