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## Instructional Psychology and Technology

Andrew S. Gibbons, Chair  
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David O. McKay School of Education Advisement and  
Certification Office  
120 MCKB, (801) 422-3426

### Graduate Programs and Degrees

MS Instructional Psychology and Technology  
PhD Instructional Psychology and Technology

For more information see the BYU 2007–2008 Graduate Catalog.

### Instructional Psychology and Technology (IP&T)

#### Undergraduate Courses

The Department of Instructional Psychology and Technology does not offer a baccalaureate degree. However, undergraduate courses are offered as service courses to other departments in the David O. McKay School of Education. Some of these classes are cross-listed with other departments.

#### 286. Instructional Technology in Teaching. (1:1:Arr.) F, W, Sp

Using instructional design, visual design, and differentiated staffing principles along with multimedia authoring systems, telecommunication, and other computer-based tools in the development of educational applications for secondary education settings.

#### 287. Instructional Technology for Early Childhood, Elementary, and Special Education. (2:2:Arr.)

Using instructional design, visual design, and differentiated staffing principles, along with multimedia authoring systems, telecommunication, and other computer-based tools in the development of educational applications for early childhood, elementary, and special education settings.

#### 301. Educational Psychology. (2:2:0) F, W, Sp, Su

Basic principles of educational psychology applied to teaching, including learning theory, instructional strategies, assessment of learning outcomes, and classroom inquiry.

#### 470R. Undergraduate Research Training. (1–3:Arr.:Arr. ea.) F, W

Introduction of undergraduate students to the concepts of research and evaluation through practical experience.

### 500-Level Graduate Courses (available to advanced undergraduates)

#### 514R. Special Topics in Instructional Psychology. (1–3:Arr.:0 ea.) On dem.

- Technical Applications
- Effective Teaching
- Student Assessment

#### 515R. Special Topics in Instructional Psychology and Technology. (1–3:Arr.:Arr. ea.) F, W, Sp, Su On dem.

#### 520. Foundations of Technology. (3:3:0) F

Introduction to instructional psychology and technology theory and practice: psychological foundations of human performance technology and learning sciences. Current research issues, professional organization of the field, and ethical issues.

#### 550. Empirical Inquiry and Statistics. (6:6:0) F

Integration of empirical research and statistical analysis in evaluation. Designing, conducting, analyzing, reporting, and critically evaluating research studies.

#### 560. Microcomputer Materials Production. (3:3:Arr.) W, Su

Prerequisite: IP&T 286 or 515R (Microcomputers in Schools).  
Designing, programming, and debugging educational applications of microcomputers using a high-level computer language.

#### 564. Instructional Design. (3:3:Arr.) F, Su

Identifying instructional problems; specifying objectives, instructional strategies, and media; analyzing learning outcomes; developing instructional materials and assessment instruments; validating instructional systems.

#### 599R. Academic Internship. (1–6:0:18 ea.) F, W, Sp, Su

Prerequisite: departmental consent.

### Graduate Courses

For 600- and 700-level courses, see the BYU 2007–2008 Graduate Catalog.

### Instructional Psychology and Technology Faculty

#### Professors

Gibbons, Andrew S. (2003) BA, PhD, Brigham Young U., 1969, 1974.  
Merrill, Paul F. (1977) BS, Brigham Young U., 1967; PhD, U. of Texas, Austin, 1970.  
Osguthorpe, Russell T. (1978) BS, MS, PhD, Brigham Young U., 1971, 1973, 1975.  
Sudweeks, Richard R. (1980) BS, MA, Brigham Young U., 1965, 1973; PhD, U. of Illinois, 1978.  
Williams, David D. (1980) BS, Brigham Young U., 1976; MA, Western Michigan U., 1978; PhD, U. of Colorado, 1981.

#### Associate Professors

Campbell, J. Olin (1999) BA, Yale U., 1967; MDiv, Union Theological Seminary, 1972; PhD, Stanford U., 1978.  
Inouye, Dillon K. (1978) BS, Brigham Young U., 1973; PhD, Stanford, U., 1978.

#### Assistant Professors

Graham, Charles R. (2002) BS, Brigham Young U., 1994; MS, U. of Illinois, 1997; PhD, Indiana U., 2002.  
Yanchar, Stephen (2001) BS, Cleveland State U., 1991; MS, PhD, Brigham Young U., 1995, 1997.

#### Emeriti

Black, Harvey B. (1970) BA, MA, Brigham Young U., 1950, 1954; PhD, Indiana U., Bloomington, 1962.  
Brown, J. Richard (1956) BS, MEd, Brigham Young U., 1949, 1956.  
Bunderson, C. Victor (1991) BS, U. of Utah, 1961; PhD, Princeton U., 1965.  
Card, Willard R. (1967) BS, U. of Utah, 1957; MA, San Jose State Coll., 1964.  
Green, Edward E. (1972) BA, Brigham Young U., 1965; MS, EdD, Indiana U., Bloomington, 1970, 1972.  
Harrison, Grant V. (1969) BA, Brigham Young U., 1963; MA, Adams State Coll. of Colorado, 1965; EdD, U. of California, Los Angeles, 1969.  
Van Mondfrans, Adrian P. (1971) BS, MA, U. of Utah, 1963, 1964; PhD, U. of Wisconsin, Madison, 1967.