

## Index

- ability groups, 183  
 Academic Grammar Test. *See* grammar test  
 academic self-efficacy, 300, 340  
 academic word list, 187  
 academic writing construct, 121  
 adjudication of divergent scores, 159  
 air traffic control, purpose defined, 85  
 air traffic controllers, placement test  
   for, 73  
 ALC, 155–156, 163, 172  
 ALC Educational Research Institute, 160  
 American Council on the Teaching of  
   Foreign Languages (ACTFL)  
   Oral Proficiency Interview (OPI), 163  
   proficiency levels on, 298  
*Applied Linguistics*, 47  
 argument-based validation (A-BV) literature  
   review (2000–2018), 46  
 argument-based validity  
   advocacy usage, 343  
   appraisal stage, 154  
   appraisal usage, 343  
   complete argument, 8  
   defined, 2  
   limits, 341  
   research trend mapping, 49  
   variants, 33  
*Assessing Writing (AW)*, 47, 51  
 assessment, 2, 19  
   blueprint, 80  
   changes, 3  
   classroom-based, 10, 12, 261, 327  
   implementation, 80  
   needs for testing aviation English, 75  
   use of term, 326  
   of writing course, 326  
 assessment tasks, 78, 82, 90, 237  
   characteristics, 212  
   integrated, 235  
 Assessment Use Argument (AUA), 21, 33  
   component layers  
     claims, warrants, backing, 37  
   concepts and practices, 36  
   differs from IUA, 36  
   four claims, 36  
   measurement claim, 49  
 assessments, integrated, 326  
 assumptions, 25, 39, 60, 62, 78, 84, 90, 92,  
   101–103, 130–132, 139, 157,  
   159–162, 165, 169–170  
   evaluation similarity, 230  
   in validity argument, 90  
   mapping, 145  
   scores relationship, 230  
   similarity of assignments, 230  
   simulating writing tasks, 129  
   studies of, 56  
   to be tested, 172  
   unstated, 63  
 Audacity audio recording software, 190  
 audience of writing, 219  
 authenticity, 2, 21, 31, 92  
   versus generalizability, 38  
   improving, 90  
 aviation English, 328, 331, 333  
   testing, 73  
   shortcomings, 74  
 Bachman, Lyle F., 1  
 backing, 37, 60, 62, 76, 90, 92, 101–102,  
   129–132, 145, 158–162, 238, 240,  
   297  
   defined, 24  
   EPT coordinator interview, 283  
   for Kunnan's rebuttals, 155  
   sources of, 56  
   for validity argument, 11  
 basic argument units, 23  
 British National Corpus (BNC)  
   academic files, 184  
 Camtasia screen-capturing software, 117,  
   188–189, 239, 247–248  
 certification testing, 2, 328  
 Chinese translation of survey questions, 187  
 claims, 6, 37, 87, 93, 98, 149, 155  
   about test use, 6  
   defined, 24

346 *Index*

- Classical Test Theory, 133  
 classroom assessment, 53, 326  
 CLIL (content & language integrated learning), 261  
 coding, 190, 302  
 COE (Committee of Examiners) for TOEFL research program, 28  
 collocation frequency, 192  
 collocational ability, 338  
   measuring, 177  
 collocational ability construct, 177–178  
 collocational ability test, 10, 60, 177, 184  
   test items, 184, 199  
 Computer-Adaptive Test of Productive and Contextualized Academic Vocabulary Breadth in English, 55  
 computer-scored responses, 331  
 concept of validity, 342  
 Conceptual Assessment Framework (CAF), 80  
 ConcGram 1.0 software, 184  
 confirmationist bias, 154  
 consequence implication inference, 12, 57, 62, 102, 132, 161, 207, 240, 253, 286, 296, 327, 340  
   assumptions, 272–273, 297  
   placement test, 296, 340  
   results, 253  
   support, 283  
 consequences, 265  
   of test scores, 161, 264, 287  
   test use, 77, 340  
 consistency, 63, 97, 100, 162, 265  
   argument, 9  
   of performances, 55, 158  
   of rater severity, 101  
   of ratings, 238–239, 250  
   of results, 166  
   in scoring, 96, 156, 170  
 constructs, 6, 31, 56, 61, 63, 131  
   defining, 10, 176–177, 328, 330  
   interactionist definition, 177  
   interpretation, 26, 92, 329  
   relationship, 192  
   under-representation, 74, 155  
 content analysis, 83  
 content course  
   instructors, 205, 213–214, 220  
   writing assignments, 213  
   limitation, 215  
 context cues, 76  
 corpus linguistics, 178  
 Corpus of Contemporary American English (COCA), 185  
 correlation analysis, 61  
 Cronbach, Lee J. validity definition, 26  
 curriculum change prompted by A-BV, 261  
 cut-off score for course exemption, 300  
 data defined, 24  
 design validity phase, 145  
 development stage of A-BV, 154  
 diagnostic descriptors, 100, 104  
 domain analysis, 11, 79, 82, 87, 90, 92, 99, 331  
   of aviation English, 84, 87  
 domain definition inference, 8, 29, 36, 38, 55, 58, 63, 77–78, 84, 99, 129, 157, 181, 237, 328, 333  
   claims, 331  
   investigative methods, 337  
   limitations, 90  
   results, 248  
   warrant for, 129  
 domain modeling, 79–80  
 ECD (evidence-centered design), 8, 76, 79, 92–93  
   domain modeling process, 90  
*Educational Measurement*, 20, 26  
 Educational Testing Service (ETS), 27  
 English as a Second Language (ESL)  
   experiential essays, 219  
   instructors  
     interview data, 309  
     interview questions, 319  
     interview responses, 314  
   student interview  
     questions, 317  
     responses, 314  
 English for Specific Purposes (ESP), 73, 78  
 English Language Development Classroom Assessment, 31  
 English Placement Test (EPT), 12, 134, 137, 145, 244, 265, 296, 298, 327  
   & Academic Grammar Test results, 275  
   essay test results, 275  
   essay writing  
     correspondence with grammar test, 279  
   interpretation & use, 315, 317  
   performance impact, 312  
   score data collection, 301

- error sources, 154, 156, 161, 337
- ESL (English as a Second Language)  
 assignment sheets (table), 215
- ESL placement tests, 204
- ESL writing  
 assignments & disciplinary course  
 writing, 217
- course syllabus, 204
- criteria, 246
- gap with FYC, 205
- gaps with mainstream courses, 205
- instructors, 214, 241
- revising courses, 206
- revising tasks/assignments, 230
- tasks, 215
- ETS Research Report Series*, 47, 51
- evaluation argument, 26
- evaluation framework, 31
- evaluation inference, 9, 29, 58, 63, 98–99,  
 102, 158, 238, 332, 337  
 assumptions, 130  
 claims, 331  
 results, 249  
 scoring evidence, 55  
 warrant, 129
- evaluation methods, 326
- evidence, integrating, 20
- explanation inference, 10, 38, 56, 61, 63,  
 101, 131, 159, 180, 191, 239,  
 327–330, 338  
 assumptions, 181, 332  
 claim, 329–330  
 evidence, 196  
 results, 250  
 summary table, 196  
 warrant, 338
- explanatory sequential design, 103
- external evaluator, 154–155
- extrapolation domain, 76, 120
- extrapolation inference, 11, 28, 38, 57, 61,  
 63, 101, 155, 160, 180, 207,  
 230–231, 239, 326, 328–330, 339  
 assumptions, 229  
 claims, 329, 339  
 construct, 131  
 requires authentic tasks, 75  
 results, 251  
 for TOEFL iBT Speaking, 30  
 warrant, 207, 230, 329, 339
- eye-tracking, 117, 262
- false positive decisions, 272–273, 279
- feedback from experts, 331
- First-Year Composition (FYC) courses, 204
- framework, 5, 20, 27–28, 92  
 based on AUA, 77  
 conceptual, 173  
 development, 21  
 for discussing testing issues, 29  
 Messick characteristics, 20  
 for the TOEFL iBT, 77  
 using A-BV, 157, 328  
 for validation, 3, 64  
 for validity research, 4
- fully recursive model, 313
- G Theory, 9, 56, 129, 131, 133, 138
- General Service List (GSL) frequency band,  
 187
- generalizability, 36, 38, 300
- generalization inference, 9–10, 55, 61, 63,  
 100, 130, 132, 145, 149, 155–156,  
 158, 171, 181, 238, 327, 337–338  
 for score consistency, 49  
 not justified, 170  
 rebuttal, 154, 161, 169, 238, 326, 338  
 results, 250  
 for TSST, 172
- genre analysis of assessed writings, 205
- genre family classification, 217–218
- geographical spread of A-BV research, 51
- grade point average (GPA), 297, 311
- grammar, 226–227
- grammar test, 28, 264, 275–276, 289, 295,  
 327, 340  
 correspondence with EPT essay writing,  
 279  
 cut score, 279, 286  
 interview questions, 290  
 limitations, 287  
 positive consequences, 287  
 rater training, 278  
 results, 276  
 score use, 280–282  
 scoring rubric, 278  
 test items, 275
- IELTS, 25, 204, 212, 241, 303  
 Academic Writing Test 1 (AWT1), 121  
 rating rubric, 137  
 speaking section, 101  
 in-class testing, 300

348 *Index*

- inclusion criteria for writing test, 134  
 inferences, 6, 13, 25, 39, 78, 97,  
   161, 342  
   in AUA, 36  
   based on test scores, 11  
   basic process of drawing, 19  
   chain of, 98, 328  
   consequence implication. *See* consequence  
     implication inference  
   defined, 24  
   domain definition. *See* domain definition  
     inference  
   evaluation. *See* evaluation inference  
   explanation. *See* explanation inference  
   extrapolation. *See* extrapolation  
     inference  
   framework in coding, 49  
   generalization. *See* generalization  
     inference  
   investigations of, 50  
   multi-part, 25  
   multiple, 7, 24, 62  
   of interpretation and use, 327  
   research methods used, 58  
   in published research, 54  
   types of assumptions, 333  
   use of, 37  
   utilization. *See* utilization inference  
   in validity argument, 36  
 International Civil Aviation Organization  
   (ICAO) requirements, 73  
 International English Language Testing  
   System. *See* IELTS  
*International Language Testing Association*  
   *Guidelines for Practice*, 3  
 international teaching assistants (ITAs), 9,  
   97, 102–103, 213  
 internet literacy, 235  
 interpretation/use argument (IUA), 9, 76,  
   80, 149, *See* validity argument  
   advocate's perspective, 205  
   confirmationist approach, 179  
   for grammar test, 265  
   grammar test, 267  
   for the OECT, 98  
   scores on writing tasks, 129  
   structure, 98, 180, 236, 266  
   for TSST, 157, 161  
 interviews  
   content course instructors, 220  
   ESL instructors, 214, 219  
   individual & focus group, 103, 273  
   post-test & follow-up, 188, 190, 247,  
     252, 338  
   protocols, 82  
   responses, 340  
   semi-structured, 82, 275, 301  
   stakeholders, 297, 340  
   students, 274, 276, 339  
   writing instructors, 276  
 item response theory (IRT), 58, 190  
 Kane, Michael, 1, 20, 45, 64, 264, 328  
   argument approach, 33  
   confirmationist bias, 154  
   usage of validity argument, 342  
 keystroke logging, 262  
 Kunnan, Antony J. A-BV ethics-based  
   structure, 154  
 LangTest, 165  
*Language Assessment Quarterly (LAQ)*, 3,  
   21, 47  
 Language Assessment Research Conference  
   (LARC), 173  
*Language Learning*, 47  
*Language Testing (LT)*, 3, 21, 47, 51  
*Language Testing in Asia (LTiA)*, 47  
 lexical frequency, 181  
 listening test, 53, 307  
 measurement error, 162  
 Messick, Samuel, validity defined by, 19–20,  
   33, 39, 45, 342  
 methodologies, range of, 340  
 Michigan English Language Assessment  
   Battery (MELAB), 53, 62, 186  
 mixed-methods research design, 12, 27,  
   129, 134, 162, 182, 241, 273, 288,  
   297–298, 325, 333  
*Modern Language Journal*, 47  
 Moodle online learning platform,  
   186, 246  
 Motivated Strategies for Learning  
   Questionnaire (MSLQ), 301  
 motivation level factors, 310  
 multifaceted Rasch measurement (MFRM),  
   9, 55, 60, 129, 131, 133, 138, 149,  
   161, 338  
 multitrait-multimethod (MTMM)  
   analysis, 61  
 multiword linguistic units, 177

- needs analysis, 82, 85, 97
- New English as a Second Language  
 Placement Exam (NESLPE), 154
- nomological network, 178–179, 181, 192, 338
- non-parametric tests, 166
- Ontario Secondary School Literacy Test (OSSLT), 28, 30
- operationalization of validity concept, 6, 342
- Oral Communication Certification Test (OCCT), 328
- Oral English Certification Test (OECT), 8, 97–98, 103, 337  
 explanation claim, 329  
 rating speaking ability, 102  
 scores, 102  
 TEACH section, 104
- Oral Proficiency Interview (OPI), 104
- Palmer, Adrian S., 1  
*Papers in Language Testing and Assessment (PLTA)*, 47
- parametric methods, 166
- partial credit model (PCM), 139, 190
- partial-credit scoring, 185
- Patterns of Adaptive Learning Scales (PALS), 300
- Pearson Test of English Academic (PTE Academic), 29
- performance, 7, 9, 101, 155, 158, 160, 265, 329, 331, 333, 337  
 comparisons, 61  
 consistency, 181  
 context influence on, 177  
 in the ESL courses, 297  
 descriptors, 100  
 digital data, 4  
 on OECT, 100  
 sample, 328  
 speaking assessment, 96  
 target, 329  
 in target domain, 57, 132  
 TBLA, 93  
 test versus course, 251  
 tests comparisons, 190  
 on TSST, 157  
 using web sources, 330  
 on VIAET, 78  
 writing test, 129
- performance assessment, 55, 148  
 strong and weak sense, 75  
 technological simulation for, 75
- persons (*p*) variance, 145
- phraseology research, 178
- placement, 62, 129, 272  
 essay test for, 327
- placement decisions, 132, 145, 160, 295, 328, 340  
 & academic achievement, 310  
 acceptance, 306  
 composite scores, 149  
 ESL instructors' perceptions, 305  
 ESL student perceptions, 305  
 frustrations, 303  
 hypothesizing grammar test use, 280  
 impact, 302  
 impact on learning, 307  
 mid-stakes, 265  
 positive attitudes, 304  
 positive impact, 316  
 student attitudes, 306  
 test score use for, 265
- placement testing, 2, 121, 133, 143
- placement tests, 53, 155, 176, 294, 327  
 institutional, 12  
 locally developed, 294
- proficiency levels, 100, 104, 120, 137, 181
- proficiency testing, large-scale, 261
- prompts, 106  
 difficulty, 100  
 for essays, 300  
 limited fidelity of, 120  
 for OECT, 99, 101  
 parallel, 250  
 TSST, 164  
 writing, 246
- proofreading services, 213
- ProQuest Dissertation and Thesis Global database, 47
- psychometric properties, placement test, 295
- putative validity argument, 29
- qualifier (Q) defined, 24
- Qualtrics, 135
- questionnaires  
 analysis of, 162  
 online background, 137  
 post-test & follow-up, 247, 252  
 for TSST, 164  
 student, 213

350 *Index*

- Rasch model analysis, 62  
 Rasch-Kappa index, 139  
 rater training, 96, 105, 249  
   for essay reading, 138  
   lack of, 149  
   online self-training, 97  
   for writing test, 137  
 Rater-Platform (R-PLAT), 8, 97, 100, 102,  
   104–114, 332  
 raters, 254, 331  
   behavior & performance, 259  
   consistency, 130, 159  
   essay, 134, 244  
   negotiations, 55  
   perceptions, 100  
   responses, 103  
   scoring, 61  
   severity, 130, 133, 139, 144, 149–150,  
     156  
 rating, 99, 332, 337  
   criteria, 246  
   essays, 241, 249  
   paper-based, 97  
   practice, 138  
   process of, 98, 102  
   web-based, 98, 104  
 rating scales, 53, 139, 148, 158  
   analytic, 147  
 reading comprehension, 121, 176, 179  
 reading-to-write task, 148  
 rebuttals, 27–28, 155  
   by external evaluators, 154  
   by external examiner, 155  
   data, 170  
   defined, 24  
   for G theory, 10  
   grammar test objectivity, 287  
   by Kunnan, 155  
   response to, 172  
 regression to the mean, 157  
 reliability, 2, 6, 10, 21, 26, 31, 60, 101, 236,  
   338  
   aspects of, 156  
   claims about, 36  
   comparing score, 56  
   Cronbach's alpha used, 61  
   estimates, 133  
   G-theory-based analysis, 61  
   inter-rater, 9, 149  
   of raters, 159  
   test-retest, 173  
 research design, 162  
   document analysis, 337  
   evidence centered, 336  
   for explanation inference, 182  
   interviews, 337  
   mixed methods, 212, 333, 341  
   mono-methods, 341  
   univariate, 138  
 research questions of studies in this volume,  
   46, 78, 132, 162, 182, 212, 242,  
   272, 280, 297  
 rhetorical functions, 223, 225, 231  
 RMIT English Language Test for Aviation  
 (RELTA), 75  
 rubric, 96, 106, 132, 337  
   analytic rating, 135, 137, 246  
   comparison, 251  
   EPT scoring, 302  
   essay scoring, 238, 298, 300  
   essay writing, 307, 339  
   improvement, 249  
   for placement test, 148  
   for reading-to-write task, 137  
   revising, 250  
   scoring, 55, 60, 176, 265  
   systematic development, 249  
 sample size, 239  
 sampling, 163, 171, 299  
 score correlations, 167  
 score dependability, 139, 148  
 score descriptors  
   improving, 253  
 score interpretation, 2, 7, 9, 12, 21, 30–31,  
   96, 98, 120, 132, 149, 161, 191,  
   236, 288, 325, 328  
   caution, 171  
   of collocational test, 177  
   specifics, 343  
   TSST, 161  
   validity, 283  
 score report, 164, 340  
   feedback, 170  
   online, 164  
 score use, 240, 264, 326  
   grammar test, 278  
   intended, 264  
   validity of, 264  
 score variance, 130, 147  
   components, 143  
   source, 148

- total, 140
- in TSST, 169
- scores. *See* test scores
  - composite, 138
  - observed linked to expected, 130
- scoring methods for collocational test, 185
- screen-capturing technology, 188, 194, 332
- Second Life, 78, 80, 83–84, 90, 331
- self-efficacy, 313
- simulation of speaking tasks, 99
- sociocognitive approach, 20
- source material use, 218, 230, 251
- source-based writing, 235, 240, 249
- speaking proficiency, 101, 154–157, 163, 165
  - changes in, 160, 164
  - levels, 100
  - test scores correlation, 160
- speaking test, 10, 61, 104, 326, 329
- stakeholders, 264, 277, 340
  - benefits of grammar test, 286
  - consequences to, 265
  - EPT coordinator, 272, 274, 276–278
  - EPT test takers, 274
  - ESL instructors, 294, 299
  - ESL students, 294, 298
  - interview questions, 299
  - judgments, 339
  - perceptions, 272, 283
  - perceptions of EPT decisions, 303
  - potential impact on, 288
  - test takers, 272, 277
  - writing instructors, 272, 274, 277
- Standard Speaking Test (SST), 163
- Standards for Educational and Psychological Testing*, 2, 343
  - validity definition, 5
- strategic competence, 76, 178
- strategies, 182, 332
  - cognitive & metacognitive, 190, 194
  - test-taking, 156
- structural equation model (SEM), 302, 340
- success rate in ESL courses, 309
- surveys
  - student, 214, 217, 225
  - test reflection, 187, 194
- System*, 47
- systematic review method, 46
- target construct, 76
- target domain, 157, 328, 339
  - defined, 328
  - evaluated, 160
  - of web-source-based writing, 237, 337
- target language use (TLU), 76, 96, 99
  - simulations, 92
  - situations, 86
- target performance, 329
- target scores, 101
- target tasks, 84, 87, 89
- task
  - instructional, 339
  - interactive assessment, 76
  - test compared to instructional, 251
- task design, 79, 337
- task difficulty, 121, 150, 156
- task model, 87, 92
  - rubric types, 87
  - variable elements, 87
  - variants, 87
- task sequences, 86
- task shells, 79, 84, 87, 92
- task situations, 83
- task specification, 87, 104, 338
- task types, 248
- Task-Based Language Assessment (TBLA), 75–76, 92
- technologies, process-tracing, 262
- technology use, 4, 97, 327, 330, 332
  - adaptive speech, 90
  - testing grammar, 327
  - web-based, 328
- Telephone Standard Speaking Test (TSST), 10, 154–155, 326, 329, 331
  - holistic scale, 163
  - procedures, 163
- TESOL Quarterly*, 47
- test administration, 156
- test delivery, 331
- test designs, 148
- test developer role, 342
- test development, 5, 329, 342
  - piloting phase, 340
  - process of, 326
  - stages of, 325
- test evaluator role, 342
- test factors, 295
- test fairness, 155
- test familiarity, 170
- test forms, 158
  - correlation, 171
  - differences, 162, 167
  - relationships, 168

352 *Index*

- test interpretation, 6
- test level analysis, 162
- test of collocational ability, 331
- Test of English as a Foreign Language. *See* TOEFL & TOEFL iBT
- Test of English as a Foreign Language (TOEFL), 53
  - paper-based, 241
- Test of English for International Communication (TOEIC), 53
  - Listening & Reading Test, 160
- Test of English Language Level for Controllers and Pilots (TELLCAP), 75
- Test of English Language Proficiency for Aeronautical Communication (ELPAC), 75
- test performance, 251
  - ESL writing course, 236
- test score dependability, 143
- test score differences, 168–169
- test score use, 11, 57, 62, 340
- test scores, 7, 162, 337
  - consistency, 9, 101
  - decision-making consequences, 295
  - fluctuation, 157, 168
  - in-class, 301
  - individual, 164
  - observed to expected, 100, 158, 161, 238
- test specifications, 159, 250
- test tasks, 158–159, 164, 265, 275, 333, 337, 339
  - for collocational ability, 184
  - development, 331
  - parallel, 338
  - parallel versions, 260
  - prototype, 336
  - prototypes of, 89
  - rating, 337
  - specifications, 330
  - that miss target construct, 74
  - on TSST, 157
  - TSST, 163
- test topics
  - for essay writing, 135
- test use, 1, 5, 11, 21, 25, 30, 96, 98, 102, 120, 132, 161, 173, 241, 265, 325, 333, 342
  - data, 12
  - in classroom, 326
  - interpretation, 172
  - of VIAET, 77
  - specifics, 343
- test usefulness, 20
- test users, 4, 7
- test-taking strategies, 170
- text borrowing, 120
- text comprehension
  - graphic included, 121
- Thompson, John, 288
- TOEFL, 204, 212
- TOEFL iBT, 2, 27, 167, 241
  - extrapolation inference, 155
  - fairness argument, 29
  - interpretive argument framework, 129
  - section scores, 56
  - speaking section, 28
  - validity argument, 28, 30, 63
  - writing section, 28, 56, 63
- Toulmin, Stephen, argument concept of, 23, 37
- unitary validity, 25
- utilization inference, 12, 27, 36, 57, 62, 102, 132, 160, 207, 240, 327, 339
  - assumptions, 273, 283
  - grammar test score use, 266
  - results, 252
  - support, 283
  - warrant, 340
- validation
  - framework, 13, 28, 33
  - process, 341
  - research, 1, 6, 20
  - usages of, 343
- validity
  - unitary but multifaceted, 20
  - yes or no decision about, 341
- validity argument, 98
  - as conceptual reference, 29
  - chain of parts, 25
  - diagram, 26
  - differs from AUA, 36
  - functions, 31
  - inferences, 36–37
  - limit to, 170
  - multifaceted nature, 25
  - parts, 24
  - usefulness of, 260
  - uses, 29
- variability source, 96
- verb-noun collocations, 177–179
- video coding scheme, 248



- Virtual Interactive Aviation English Test (VIAET), 73, 329
  - test interpretation & use, 76
- virtual simulation, 76, 78, 83–84, 90
- vocabulary
  - for aviation English, 85
  - strength of, 179
- vocabulary test, 53, 58, 177, 179, 186
- warrant, 25–27, 37, 39, 78, 90, 98–102, 131–132, 155, 157
  - defined, 24
  - studies of, 56
  - unstated, 63
- washback effects, 132, 241, 253, 260
- web-researching-to-write ability, 330, 332
- word pairs (congrams), 184
- writing assessment, 31, 97
  - ESL versus content courses, 205
- writing assignments, 226
  - comparison ESL & course, 214
  - in content course, 222
  - differences, 227–228
  - ESL versus content courses, 217, 222
  - essay types, 206
  - length, 224
  - purposes, 220
  - similarities, 226
  - source-based, 260
- writing proficiency, 307
- writing tasks, 135
  - content course, 214
  - graphic-prompt, 120–121, 148
  - independent, 147
  - integrated, 147
  - paper- versus computer-based, 121
  - source-based, 120
  - topics, 218
- writing test, 9, 11, 56, 60–61, 176, 246, 265, 330
  - computer-based, 135
  - graphic-prompt, 149
  - integrated, 235, 239, 262, 332, 336
  - procedures, 247
  - single prompt, 12