

INDEX

Note to index: An *e* following a page number denotes an exhibit on that page; an *f* following a page number denotes a figure on that page; a *t* following a page number denotes a table on that page.

A

Accreditation standards,
interdisciplinarity general education,
53, 110
*Accreditation Standards for Interdisciplinary
General Education*, 110
Administration of interdisciplinary
programs, 86
Administrative advocacy, 1
Agricultural sciences, 50
Albion College, 62, 63, 85–86; building
design at, 95–96; faculty hiring at,
128; and grants, 94
American Board for Engineering and
Technology (ABET), 54
American Conference of Academic
Deans, 135–136
American Studies Association (ASA),
5–6, 61, 110, 111, 113, 120, 125–126
Anarchist movement, 33
Anthropology, 7, 25, 26; classification of,
49, 50; economic, 27
Appalachian studies, 123
Applied linguistics, 92
Archaeology, 25, 26, 49
Archibald, D. C., 105, 125
Area One Program, 42–43
Area studies, 23, 42–43, 50, 151
Arizona International College (AIC),
dismantlement of, 120
Arizona State University (ASU), 85, 88,
92, 121

*ASA Guide for Reviewing American Studies
Programs*, 110
Assessment, 171–174; culture of evidence
in, 86, 111; of women's studies, 110
Association for Integrative Studies (AIS),
53, 66, 110, 111–112, 115
Association of American Colleges and
Universities (AAC&U), 53, 110
Augsburg, T., 60, 105, 113, 114, 125,
126, 160

B

Backgrounding, as otherization strategy,
103
Bailis, S., 31
Bal, M., 32
Barriers and disincentives, to
interdisciplinarity, 72*t*–73*t*
Bechtel, W., 51
Beckman Institute for Advanced Science
and Technology, 55, 129, 148
Behavioral science movement, 23
Bemidji State University, 95
Benchmarking, 9, 41, 66, 96, 112, 157. *See*
also Association for Integrative Studies
Best practices, 1, 5, 36, 79, 106, 110, 112,
144, 157
BIO 2010, 20–21
Biochemistry, 18, 51
Biogeography, 27
Bioinformatics, 50
Biological design, 92

- Biological history, 26
 Biological physics, 17
 Biology: *BIO 2010*, 20–21; biochemistry, 18, 51; biogeography, 27; bioinformatics, 50; biological design, 92; biological history, 26; biological physics, 17; Bio-X program, 88; boundary crossing in, 17; classification of, 50; computational, 18, 50, 63, 70, 93; convergence concept in, 60; as federated discipline, 20; molecular, 51, 96; sociobiology, 24, 25; systems, 51, 63
 Bio-X program, 88
 Boas, F., 26
 Booth, M., 103
 Both-and model, 104
 Bottom-up interdisciplinarity, 33
 Boundary crossing, 17–19, 24, 25, 35, 36, 86, 110
 Boundary making, 100–101, 121
 Brew, A., 35
 Brint, S. G., 1, 3, 43–44, 46, 62, 64, 114
 Broad or wide interdisciplinarity, 182. *See also* Humanities; Social science interdisciplinarity
 Brown, J. S., 7
 Brown University, 41, 62
 Budget. *See* Finance and budget issues,
 Burgett, B., 108
 Burkhard, N., 19
 Burkhardt, P., 120
 Burrough's Wellcome Fund, 147
 Business, 3, 17, 53, 129
 Buzzwords, 5–6
 Bystrom, V., 107
- C**
- Caldwell, L. K., 35–36
 Calhoun, C., 22, 26
 Caltech, 62
 Capaldi, E., 92
 Carnegie Mellon, 62
 Carp, E. M., 121–122, 123–124
 Carp, R., 135–136, 137, 149
 Caruso, D., 5
 Case-and-interpretation model, 25
 Case Western University, 94
 Casey, B. A., 86–87
 Central interdisciplinary website, 81–85; advantages of, 81; common features of, 82
 Central oversight, 75–81; bottom-up mandates, 75, 76, 77; central office for IDR and IDS, 77; mid-level mandates, 75, 76; resource banking, 77; study teams and workshops, 80; temporal imperative, 76; top-down mandates, 75, 76–77
 Change strategies, 68–75; bottom-up stimuli, 70–71; general loosening of barriers, 69–70, 71; integration, 68; mid-level, 75, 76; modification, 68; strategic targeting, 69, 70–71; top-down stimuli, 70–71; transformation, 68–69
 Chemistry, 17
 Chicago School, 22–23
 Chowdhry, U., 148
 Christ, N., 87–88
 Civian, J. T., 64, 144
 Clark, B. R., 6, 40
 Classification of Instructional Programs (CIP), 49, 51–52
 Clayton, K., 6–7
 Cluster college, 114, 120–121, 124
 Cluster Hire initiative, 82
 Cluster hiring, 82, 130–131
 Cohiring, 129
 Collins, J., 4
 Columbia University, 41, 55, 93
 Competency-based learning, 122
 Computational biology, 18, 50, 63, 70, 93
 Computational physics, 17
 Computer science, 48
 Conservative elites, on interdisciplinarity, 97
 Consortium on Fostering Interdisciplinary Inquiry, 76
 Consortium on Fostering Interdisciplinary Research, 127
 Convergence points, 36, 55, 60–61, 87–89, 157, 182
 Coordinated studies model, 107
 Core-satellite model, 116–117
 Cornell University, 70–71, 96
 Cornwell, G. H., 104–105, 150–151, 154
 Council of Environmental Deans and Directors (CEDD), 127, 132–133, 136, 137, 142
 Coyner, S., 41
 Creative arts, 116
 Creole zone, 19
 Creolized disciplines, 104–105

Critical interdisciplinary, 30; defining, 30, 181

Critical mass factors, 12, 36, 105–109, 120; integrative studies, 107; sustainability indicators, 106*t*; theme-based colloquia, 102, 107

Critical theory, 33

Critical thinking, 2, 54

Cross fertilization, 38*f*

Crow, M., 85

Cultural anthropology, 49

Cultural Encounters, 150–151

Cultural studies, 27, 29, 30, 47, 48, 108, 138

Culture: campus culture, 36, 67, 154–155, 157; concept in humanities, 32; expansion of concept, 30–31; and faculty development, 145, 150, 151; generalist model of, 29; institutional (*see* Institutional culture); interorganizational, 62–63; local knowledge, 61; subculture, 19, 36, 182

Culture and personality, 27

Culture of evidence, in assessment, 86, 111

Culture-personality movement, 23

Curriculum: gap with science and technology research, 20–21; humanities, 34, 114; science and technology, 114; self-contained, 116, 117; social sciences, 23, 114; technology, 114

D

Davidson, C., 68–69

Davis, J. W., 118–119

Deconstructionism, 29, 30, 31, 33, 100

Departmentalism, 137–138

Disciplinarity, relation with interdisciplinarity, 100, 156

Disciplinary hegemony, 103–104

Discovery-based learning, 145

Distributed interdisciplinary intelligence, 7

Diversity studies, 49

Dossier preparation, 139, 141

Dubrow, G., 35, 76–77, 81, 95, 127

Duguin, P., 7

Duke University, 68–69, 82–83; building design at, 96; funding at, 91, 93; promotion at, 142

DuPont, 148

E

Earlham College, 63

Economic anthropology, 27

Economic history, 27

Economics, 25, 26

Edgewood College, 79–80

Education, 17, 53

Edwards, A. F., Jr., 41

Eisenberg, L., 21

Elam, D., 104

Elam, H., 42–43

Emory University, 119–120, 123

Endogenous interdisciplinarity, 17, 181

Engineering, 53

The Engineer of 2020 report, 54

Ethnic studies, 27–28, 47

Ethnology, 26

Eveline, J., 103

Exogenous interdisciplinarity, 17, 181

Experiential learning, 79, 80, 122, 145

F

Facilitating Interdisciplinary Research (NAS), 4, 15, 16, 88, 90–91, 95, 127, 135, 147, 150

Faculty development, 144–151; continuing education, 146; fellowships, 146; mentoring, 148–150; postdoctoral fellowships, 146–147; social bonding role in, 148; strategies for, 145*e*; summer immersion experiences, 147; team teaching, 147–148, 150. *See also* Faculty hiring; Faculty tenure and promotion

Faculty hiring, 128–135; cluster hiring, 130–131; cohiring, 129; joint appointment, 58, 104, 106, 120, 128, 130, 131–132, 133, 138, 147; NAS hiring recommendations, 131–132

Faculty promotion. *See* Faculty tenure and promotion

Faculty tenure and promotion, 135–144; CEDD *Guidance* on, 142; classification systems, 143–144; dean's role in, 137; dossier preparation, 139, 141;

- Faculty tenure and promotion
(continued)
evaluation process, 136; frequently
asked question list, 138, 139;
memorandums of understanding,
136–137; peer committee, 137, 139,
140*e*–141*e*; pretenure and tenure
reviews, 136; publication criteria, 143;
tenure protection, 86
- Federated discipline, 20
- Feller, I., 3
- Feminist studies, 24, 29, 31, 50, 51, 100,
104, 110, 138
- Field creation, 38*f*
- Finance and budget issues, 71, 76, 77, 78,
86; faculty development, 132–133;
flexible, 91–92; interdisciplinary
endowment, 89–92; investments,
93–94; programs, 60, 81, 89;
reductions, 117, 121, 124, 129, 130;
tenure and promotion, 135
- Firpo, A., 60
- Fisch, R., 68
- Fish, S., 33–34, 99–101, 157
- Five College Consortium, 61
- Fred Hutchinson Cancer Center, 147
- Fred Kavh Foundation, 94
- Funding. *See* Finance and budget issues,
- G**
- Gabelnick, F., 4
- Gaff, J., 20, 53, 66
- Gardner, H., 69
- Geertz, C., 25
- Gender studies, 7, 27–28, 50, 51
- General education: accreditation in
interdisciplinarity, 110; boundary
crossing, 35; faculty development,
148; growth of interdisciplinarity in,
41, 53; humanities, 29; new program
creation, 60–61, 69, 124;
requirements, 43, 79–80
- General education movement, 1
- Generic/generalized programs, 114, 115,
117, 125
- Genomics Initiative, 70–71
- Geography, 25–26; biogeography, 27
- George Mason University, 121–124
- Georgia Institute of Technology, 63, 77
- Girgus, J. S., 20
- Global studies, 2–3, 47, 49, 108, 123
- Gold, B., 93
- Goldsmith, H., 117–118
- Gonzalez, C., 91
- Grant, G., 114
- Graybill, J. K., 148–149
- Grayson, C. J., 9
- Gunn, C., 31–32, 33
- H**
- Hampshire College, 62, 138
- Harris, E., 34
- Harris, J., 81
- Harvard: evaluation at, 142–143; faculty
development at, 146; fellowships at,
93, 146; hiring at, 138; increase in
interdisciplinarity programs at, 41
- Hearn, A., 30, 33
- Heilbron, J., 1
- Hendershott, A. B., 27
- Hendra, R. F., 115
- Henry, S., 4, 48, 60, 103, 105, 107, 113,
114, 125, 126, 160
- Heppner, G., 60
- History, 25–26; biological history, 26;
categorization of, 49; economic, 27
- Holley, K. A., 5
- Hollinger, D. A., 139
- Homogenization, as otherization
strategy, 103
- Hub model, 79
- Human genome, 16, 19
- Humanities, 7, 25, 29–34; bottom-up
interdisciplinarity, 33; critical
interdisciplinarity, 30; curriculum, 34,
114; hybrid disciplines, 30–31;
increase of interdisciplinarity in, 30;
inside-out interdisciplinarity, 33;
institutionalization and, 33–34;
interdisciplinarity majors, 116;
mapping literary studies, 31–32; new
rhetoric, 30; pantextualism in, 101;
and sciences, 154; self-contained
curriculum in, 116, 117; top-down
interdisciplinarity, 11, 32, 33;
transdisciplinary journals, 139
- Humanities computing (HuCo), 78
- Huy, Q., 75
- Hybrid disciplines, 22; cross-disciplines,
27; humanities, 30–31; psychology,
49
- Hybrid interdisciplines, 18
- Hybridity of knowledge, 36, 182
- Hyman, S., 138

I

- Incorporation, as otherization strategy, 103
- Industry, 2, 53, 148
- Information technology, 21, 49–50, 96
- Infrastructure and space issues, 95
- Inquiry-based learning, 79–80, 145
- Inside-out interdisciplinarity, 33
- Institutional culture: as change variable, 61; factors in, 65; and interdisciplinarity, 5, 80, 107, 116, 118, 119, 133
- Institutionalization of interdisciplinarity, 99–105, 159; disciplinarity-interdisciplinarity dichotomy, 101–102, 103–104; frameworks, 43–44; in humanities, 33–34; limits of, 127; in natural and applied sciences, 64; necessity of, 102–103; program *vs.* department structure, 104–105
- Instrumental interdisciplinarity, 30, 181
- Instrumentation: costs of, 17; and faculty development, 144, 145, 147; as otherization strategy, 103; of scientific IDR, 19
- Integrated Postsecondary Education Data System Completions Survey (IPEDS), 49
- Intellectual community building, 81
- Interactive research, 17
- Inter-Arts Center (SFU), 118–119
- Intercultural studies, 49
- Interdisciplinarity (ID): bottom-up, 33; broad or wide, 182; challenges to, 6–7, 72*t*–73*t*; critical, 30; endogenous, 17, 181; exogenous, 17, 181; inside-out, 33; instrumental, 30, 181; methodological, 23–24, 181; opportunistic, 181; political positions on, 97; pragmatic, 101, 125, 157, 160, 181; relation with disciplinarity, 100, 156; (re)situating, 158–160; strategic, 181; theoretical, 23, 24, 181; top-down, 11, 32, 33
- Interdisciplinary* connotations of, 1–2, 16
- Interdisciplinary endowment, 89–92; academic reorganization, 91–92; flexible funding, 90–91; strategies for building, 90*t*
- Interdisciplinary Hiring, Tenure and Promotion: Guidance for Individuals and Institutions* (Pfirman et. al), 127, 136, 142, 150
- Interdisciplinary journals, 138–139
- Interdisciplinary (ID) programs: administration of, 86; gaps in support of, 3–5; growth in, 2–3
- Interdisciplinary research (IDR), 15; central oversight for, 77; defining, 181; gaps in supportiveness of, 4; interactive research, 17. *See also* Inventory, conducting
- Interdisciplinary studies (IDS), 15; central oversight for, 77; defining, 181; IDS degree-granting programs, 42–47; resources for, 167–171; systems model of, 38–42; systems model of IDS, 38–42
- Interdisciplinary Studies Program (IDS) UT–Arlington, 114–115
- International business, 3
- International relations, 47
- Inventory, conducting, 55–61; cover letter for survey, 58; document gathering, 59; education questions, 59; Ohio State University survey, 57, 58, 59; publication of reports, 59–60; research questions, 59; scorecard, 60; University of Massachusetts–Lowell survey, 58, 60; Wayne State University (WSU) survey, 57, 58, 59–60
- Inventory framework for interdisciplinarity, 56*t*–57*t*
- Iowa State University, 136
- Issue-based programs, 102
- Ittelson, W., 22

J

- Jasanoff, S., 159–160
- Johnson C. Smith University, 94
- Joint appointment, 58, 104, 106, 120, 128, 130, 131–132, 133, 138, 147
- Journal, interdisciplinary, 138–139

K

- Kann, M., 97
- Katz, C., 103, 160
- Katz, S., 101
- King, C. J., 136, 137–138

Klein, J. T., 37, 39, 40, 54–55, 97, 154
 Kleinberg, E., 102–103
 Knight, P. T., 6, 64–65

L

Landau, M., 22
 Lange, P., 85, 93, 136, 137, 138, 139, 141, 142
 Lattuca, L., 30, 111–112, 144
 Law, 17, 25–26
 Law-and-instances model, 25
 Leadership, 85–89; points of convergence, 87–89; switchboarding, 87–88
 Learning: competency-based, 122; inquiry-based, 79–80, 145
 Learning community, 124, 145
 Lemert, C. C., 7
 Leshner, A. I., 18
 Lewis, L., 63, 95
 Liberal academics, on interdisciplinarity, 97
 Liberal education, 28, 29, 37, 42, 53, 86
 Life sciences, 17, 21, 50, 51, 88, 92, 96, 129, 145
 Lindquist, J., 89
 Linguistics, 25–26
 Liu, A., 101, 157
 Living-and-learning community, 145
 Local change, transition toward, 34–35
 Longitudinal study of IDS
 degree-granting programs, 42–47;
 diffusion model, 43; fields of study, 44*t*–45*t*; frameworks for, 43, 46;
 frequently offered majors, 43*t*;
 organizational ecology model, 46;
 organizational stratification model, 43;
 sociodemographic model, 43

M

Macalester College, 139
 MacNeal, A. P., 138
 Managerial skills, 88
 Manhattan Project, 16
 Mapping: in literary studies, 51–52; local, 15, 54–55; semantic, 52
 Martin, P., 128
 Marxism, 24, 100
 Materials science, 17
 Mathematical physics, 17
 Mathematics, 20, 21, 26, 48, 50–51

McKeon, R., 101
 Media arts and sciences, 92
 Medicine, 88, 97; biomedicine, 17;
 molecular medicine, 50;
 nanomedicine, 18; social medicine, 28
 Memorandum of understanding (MOU), search committee, 133, 134*e*–135*e*,
 Messer-Davidow, E., 106
 Methodological interdisciplinarity, 23, 181
 Miller, J. H., 26–27
 Miller, R., 23, 78, 116–117, 118
 Mintzberg, H., 75
 MIT, 63, 95
 Mitchell, P., 85, 128
 Mitchell, W.J.T., 32–33
 Molecular biology, 51, 96
 Monteith College, 124
 Muir, J. K., 121–123
 Multiculturalism, 27, 29, 68, 151
 Multicultural studies, 34, 49, 79
 Multidisciplinary approach, defining, 181
 Multi-/interdisciplinary studies (MD/ID), 47–48
 Multi- *vs.* interdisciplinary forms, 107–108
 Murphy, S. P., 1, 3, 43–44, 46, 62, 64, 114
 Myths about interdisciplinarity, 153–157;
 definition of genuine, 154–155; as impossible to do, 157; as new, 153–154; as superficial, 155–156; as threat to disciplines, 156

N

Nanoscience, 50
 Narrow interdisciplinarity, 181
 National Academy of Sciences (NAS):
 The Engineer of 2020 report, 54;
 Facilitating Interdisciplinary Research report, 4, 15, 16, 88, 127, 135, 150; on hiring recommendations, 131–132; on impediments to IDR, 71; on transformative change, 69
 National Center for Education Statistics (NCES), 47–48, 51
 National Council of Black Studies, 104
 National Institutes of Health (NIH), 17–18, 52, 94
 National Research Council (NRC), 17, 51–52, 143

- National Science Board, 143
 National Science Foundation (NSF), 4, 51, 94, 143
 National Women's Studies Association, 125–126
 Natural sciences, 20, 23, 60
 Neopragmatism, 100
 Neurosciences, 92
 New Century College (NCC), 121–124
 Newell, W. H., 37, 39, 40, 54–55, 97, 120–121, 125, 154, 160
 New historicism, 29, 100
 North Carolina State University, 77–78
 Northeastern University, 129
 Northwestern University, 2, 85
 Not elsewhere classified (NEC), 52
 Nursing, 27, 49, 51, 53
- O**
- Oakridge National Lab, 148
 Office of Interdisciplinary Program Management, 83
 Office of Interdisciplinary Programs, 77
 Office of Interdisciplinary Studies (OIS), 69, 78–79
 Office of Publications and Proposal Development, 77–78
 Ohio State University (OSU): grants program, 94; survey, 57, 58, 59
 Ohio University, 132–133, 137, 149
 Opportunistic interdisciplinarity, 181
 Organizational change variables, 61–65; geographical region, 64; local history knowledge, 63; preexisting curricular bases, 64; prior commitment to interdisciplinarity, 62–63; size, 62
 Organization for Economic Cooperation and Development, 16–17
 Organized research unit (ORU), 70, 77, 88
 Otherization, 103
- P**
- Panel on Modernizing the Infrastructure of the NSF's Federal Funds for R&D Survey, 51, 52
 Pellmar, R., 21
 Pennsylvania State University, 77, 88, 129
 Personality types: early adopters, 89; innovators, 89; laggards, 89; late majority, 89
 Peterson, K., 87
 Pfirman, S., 38, 128, 132, 138
 Philosophy, 23, 26, 29, 32, 33
 Physical sciences, 21, 50–51
 Physics, 17, 19, 20, 41, 105
 Pidgin zone, 19
 Plumwood, V., 103
 Points of convergence, 36, 55, 60–61, 87–89, 157, 182
 Political science, 25, 26
Politics of Interdisciplinary Studies, The (Augsburg & Henry), 113, 117
 Political sociology, 22, 27
 Postcolonialism, 29, 32, 51
 Poststructuralism, 25, 26, 29, 34
 Pragmatic interdisciplinarity, 101, 125, 157, 160, 181
 Prehistoric archaeology, 26
 Problem-based learning, 122
 Problem orientation, 38*f*
 Proctor, K., 1, 3, 43–44, 46, 62, 64, 114
 Program review principles, 109–113; antecedent conditions, 112; balance, 112–113; benchmarking, 112; interdisciplinarity, 111–112; partnership, 113
 Program review principles, applied to case studies, 113–126; Appalachian State University, 123–124; Arizona International College, 120; Interdisciplinary Studies Program, UT–Arlington, 113–114; New Century College, at George Mason University, 121–124; San Francisco State University, 116–119; University Without Walls, University of Massachusetts–Amherst, 115–116; Western College Program, at Miami University, 120–121
 Programs: generic/generalized, 114, 115, 117, 125
 Program *vs.* department structure, 104–105
 Project on Accreditation and Assessment, 53
 Promotion, faculty. *See* Faculty tenure and promotion
 Proshansky, H., 22
 Psychiatry, 7, 25–26
 Psychology, 25, 26; biopsychology, 49; categorization of, 49; community, 108; psychological, 22; social, 22, 27
 Purdue, 131, 148

Q

Quality Assessment in Interdisciplinary
Research and Education, 136

R

Race studies, 47, 51
Radical dissidents, on interdisciplinarity,
97
Radical exclusion, as otherization
strategy, 103
Radical neopragmatism, 100
Randall, D., 85–86
Rational-purposive model of change,
64–65
Readings, B., 102
Reflexive interdisciplinarity, 181
Rensselaer Polytechnic Institute, 96
Repko, A., 115, 125
Research: collaborative, 1, 82, 87–88;
curriculum gap with science and
technology, 20–21; taxonomy, 51–52.
See also Interdisciplinary research
(IDR)
Research Condition and Disease
Classification (RCDC), 52
Resource banking, 36, 77, 81, 146, 157
Resources, 161–179; collaboration,
172–173; domains of practice,
165–167; evaluation and assessment,
171–174; integration, 171–172;
overviews and bibliographies,
162–165; Web-based searching and
networking, 175–179
Resources, interdisciplinary studies,
167–171; annotated guide to
literatures, 167; defining overviews,
167–168; descriptions of educational
practice, 168–169; directories of
course and program models, 169;
program and course models,
170–171; textbooks for students, 171
Rhetoric, 51, 101
Rhoten, D., 4, 5, 22, 38, 75
Rice University, 71
Riesman, D., 114
Rockefeller University, 62
Rodgers, S., 103
Ross, C., 42–43
Roy, R., 17

S

Sá, C., 3, 65–66, 70, 75, 93–94
Salter, L., 30, 33
San Francisco State University, 78
Sarkela, S., 63
Schneider, C. G., 34–35
Schoonen, M., 87
Schorske, C. E., 31
Science and Engineering Indicators (SIE),
143
Science and technology
interdisciplinarity, 16–21; boundary
crossing increase in, 17–18;
curriculum, 114; curriculum gap with
research, 20–21; definitional issues,
19–20; drivers of change in, 16–18;
exogenous to university, 17;
government-funded, 16;
interdisciplinary majors, 116; new
communities of practice, 18–19; new
technologies, 18; protecting
disciplines as argument against, 20;
and trading zones, 19
Science and technology studies (STS),
institutionalization of, 159–160
SciVal, 143
Seabury, M. B., 35
Seed grants, 92–97; foundations, 94;
private *vs.* public institutions, 95
Self-contained curriculum strategy, 116,
117
Self-definition, 159–160
Self-legitimation, 102–103
Semiotics, 29, 33
Sexuality studies, 50, 51
Shandas, V., 148–149
Shingobee Headwaters Aquatic
Ecosystems Projects, 147
Shoenberg, R., 34–35
Smelser, N. J., 25, 27
Smith, P., 131
Social psychology, 22, 27
Social science interdisciplinarity, 20,
21–28; bridge building and
restructuring, 22–23; catalysts for
change in, 22, 26–27; categorization
of, 49; cross-cutting organizing
principles, 23–24; curriculum, 23,
114; early use of *interdisciplinarity*

- Social science interdisciplinarity
(continued)
in, 1; hybrid disciplines, 26–28;
increase in, 30; journals, 139; as
major, 116; methodological, 23–24;
multiple types within single discipline,
26; new fields, 26–27; Ph.D. program,
92; range of disciplines, 25–26;
shared components, 23; technological
developments, 25; theoretical, 24
- Social Science Research Council (SSRC),
21–22, 42–43, 47, 54, 111, 114
- Social work, 17, 27, 49
- Sociobiology, 24, 25
- Sociology, 23, 25, 26, 31; classification of,
50; political sociology, 22, 27
- Space issues, 95
- Split appointment, 87, 131–132
- Stanford University, 62–63; Area One
Program, 42–43; Bio-X program at,
88; building design at, 96; increase of
interdisciplinarity at, 41–42
- State University of New York
(SUNY–Potsdam), 63
- Stewardship-leadership-advocacy, 81
- St. Lawrence University, 150–151
- Stocking, G. W., Jr., 26
- Stoddard, E. R., 87
- Stoddard, E. W., 104–105, 150–151, 154
- Stokols, D., 112
- Stony Brook University, 77, 87
- Strategic engagement, 120
- Strategic interdisciplinarity, 181
- Structural reform, 86
- Subculture, 19, 36, 182
- Sullivan, N., 75
- Survey of Federal Science and
Engineering Support to Universities,
Colleges, and Nonprofit Institutions,
51
- Sustainable development studies, 92, 123
- Switchboarding, 87–88
- Systems biology, 51, 63
- Systems model of IDS, 38–42;
cross-fertilization, 38; field creation,
38; problem orientation, 38;
programs, 41–42; simple and
complex models, 39–40, 39*t*; team
collaboration, 38; ways of working,
38*f*
- Szostak, R., 69, 78, 125, 160
- T**
- Taxonomy, 47–61; general education
sector, 53–54; graduate education,
50–51; MD/ID bachelor's degrees,
48; MD/ID doctoral degrees, 48;
MD/ID master's degrees, 47–48; not
elsewhere classified, 52; research,
51–52
- Taylor, M. C., 158
- Teaching circles, 148
- Team collaboration, 38*f*
- Team teaching, 21, 38, 58, 90, 104, 107,
119, 122, 147–148, 150
- Technical sciences, 20
- Technology curriculum, 114
- Telic institution, 114, 120–121, 124
- Temple University, 147–148
- Tenure. *See* Faculty tenure and
promotion,
- Theme-based colloquia, 102, 107
- Theoretical interdisciplinarity, 23, 24,
181
- Tierney, W. G., 68, 86
- Toombs, W., 68
- Top-down change strategies, 65, 70–71
- Top-down interdisciplinarity, 11, 32, 33
- Top-down leadership, 125
- Top-down oversight mandates, 75, 76–77
- Trading zone, 19
- Transdisciplinary approach, 24, 28, 30,
182
- Transdisciplinary journals, 139
- Transdisciplinary Tobacco Research
Centers, 112
- Transformative change, 68–69
- Triangle of change, 75
- Trow, M., 114
- Trower, C., 135
- Trowler, P. R., 6, 64–65, 75
- Turk-Bicakci, L., 1, 3, 43–44, 46, 62, 64,
114
- U**
- University Interdisciplinary Council, 78
- University of Alberta, 69, 78–79
- University of California–Berkeley, 93
- University of California–Davis, 77, 91, 93
- University of California–Irvine, 96
- University of California–San Diego, 96
- University of California–Santa Cruz, 109
- University of Chicago, 22, 62, 96

- University of Idaho, 80
- University of Illinois at
Urbana–Champaign, 55, 129, 148
- University of Massachusetts–Amherst, 61,
115–116, 119
- University of Massachusetts–Lowell:
central hub for interdisciplinarity at,
79; central interdisciplinarity website
at, 84–85; institutionalization of
interdisciplinarity at, 125;
interdisciplinary funding at, 90;
interdisciplinary survey of, 57, 58,
60, 66
- University of Michigan: budget issues at,
91; building design at, 96; central
interdisciplinarity website at, 81–82;
faculty hiring at, 130; faculty
promotion at, 138; summer
interdisciplinary immersion at, 147
- University of Minnesota: faculty
development at, 145; oversight at,
76–77, 83–84; summer
interdisciplinary immersion at, 147
- University of Puerto Rico, 60
- University of Southern California (USC),
69, 75; faculty development at, 146;
faculty hiring at, 132; faculty
promotion at, 137; promotion at, 142;
research incentive fund at, 93
- University of Texas–Arlington, 114–115,
119
- University of Washington (UW): College
of the Environment (CoE), 130;
faculty hiring at, 82; financing
interdisciplinarity at, 89–90;
framework for change at, 80–81;
Program on the Environment (PoE),
129–130; strategies and mechanisms
for interdisciplinarity at, 71, 73*t*–74*t*,
75
- University of Washington–Bothell,
107–108
- University of Wisconsin, 145
- University of Wisconsin–Green Bay,
109
- University of Wisconsin–Madison, 82,
96, 131
- University Studies/Weekend College
Program (USWCP), 124–125
- University Without Walls (UWW),
115–116
- Unsworth, J., 67
- V**
- Vickers, J., 27
- Virginia Tech, 77
- W**
- Wadsworth, J., 148
- Wakefield, P., 119–120
- Warhol, R. R., 104
- Wätzlawick, P., 68
- Wayne State University (WSU):
beginnings of interdisciplinarity
studies at, 124; collaborative research
at, 82, 87–88; program movement
across colleges at, 121; survey of, 57,
58, 59–60
- Weakland, J. H., 68
- Weaver, F. S., 138
- Web, 2.0, 18, 67
- Webster University, 79
- Weingart, P., 5
- Wentworth, J., 121–122, 123–124
- Wesleyan University, 102
- Western College Program at Miami
University, 120–121
- White, L. M., 34
- Wiltzius, P., 148
- Women's studies: beginnings of, 27, 28;
as creolized discipline, 104;
departmental status attainment, 78;
evaluation and assessment of, 110;
growth of interdisciplinarity, 41, 47;
as independent degree, 123. *See also*
Gender studies
- Woods Hole Marine Biological
Laboratory, 147
- Wright, S. P., 27
- Wubbels, G. G., 20