

Index

A

academic development 160, 219, 256, 260, 263, 268, 277, 279
 academic practice 259, 260, 269, 273, 276
 accreditation 120, 259, 260
 actor-network theory 222, 223, 224, 225, 226, 237, 238
 administrative activities 228
 adult learning 5, 59, 62, 66, 72, 77, 218, 219, 299
 advanced communication technologies 205
 asynchronous media 5

B

behaviourism 80
 Blackboard 79, 82, 84, 86, 89, 223
 blended environment 7, 9, 11, 17, 21, 27, 31, 33, 168, 187, 192, 195, 300, 308
 blended frameworks 310
 blended learning 1–19, 21, 22, 23, 34, 36, 37, 39, 40–65, 70–97, 100, 101, 103, 105, 106, 110, 111, 112, 113, 114, 115, 121, 125, 126, 127, 129, 130, 134, 135, 136, 137–199, 201, 204, 205, 206, 207, 209, 210, 211, 213, 214, 217–299, 300–311
 blended learning environment 40, 42, 103, 256, 257, 239, 296

blended learning in organizational settings 129
 blended learning practice 301
 blended learning practices 1, 3, 6, 10, 11, 12, 13, 14, 15, 40, 91, 149, 254, 303
 blended solutions 107
 blended teaching 207
 brainstorming 6, 35
 broader framework 21
 buffet model 3

C

campus-based environments 18, 22, 34
 campus-based students 26, 36, 121, 260
 case study 6, 7, 16, 18, 21, 27, 28, 36, 39, 60, 120, 122, 141, 143, 148, 159, 161, 168, 169, 170, 172, 174, 175, 179, 180, 187, 200, 207, 219, 222, 223, 224, 237, 238, 239, 240, 243, 244, 258, 280, 281, 282, 286, 287, 294, 299
 cognitive development 40, 41, 44, 45, 47, 52, 54, 55, 56, 58
 cognitive tracks 54
 cognitivism 80
 collaborative learner-centred activities 67
 collaborative learning 10, 18, 26, 41, 42, 43, 59, 60, 68, 80, 83, 92, 93, 103, 107, 109, 112, 125, 126, 128, 138, 139, 141, 142, 146, 148, 219, 248

communication technologies 204
 communicative 47, 52, 54, 71, 72, 128, 241, 246
 communities of practice 13, 126, 145, 164, 183, 302
 communities of practice (CoP) 145
 community members 68, 136, 148, 184, 305
 community of inquiry (CoI) 5, 11, 43, 50, 68, 206, 207, 210, 211, 212, 213, 216, 217, 299, 309
 community of inquiry framework 210, 211, 212, 213, 216, 217
 community of inquiry model 11, 50, 68
 community of learners 3, 42, 69, 107, 127, 146, 250
 community of learning 126, 130, 133, 134, 136
 comprised of university instructors 144, 151
 computer-mediated conferencing (CMC) 4, 22
 computer mediated communication (CMC) 126, 127
 computer supported collaborative learning 37
 conceptual frameworks 5
 concomitant property of learning 146
 constructivism 36, 37, 40, 41, 59, 80, 99, 171
 content-driven 106, 111
 CoP 145, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159
 copyright 230
 copyright and ownership 230
 courses designed 1

D

definitions 2, 5, 22, 103, 104, 146, 166, 217, 266, 282, 296, 306
 design-based research 259, 261, 263, 264, 267, 269, 270, 274, 275, 277, 299, 301, 304
 diffusion of innovations 226
 diffusion of innovation theory 222, 223
 digital audio programs 82
 digital divide 308, 309, 311
 digital immigrants 106, 122, 182, 200
 digital natives 106, 182, 281
 dimension of learning 106

discussion forums 38, 47, 48, 49, 52, 54, 55, 57, 71, 72, 175, 185, 186, 189, 192, 230
 distance delivery 64, 65, 216
 distance education 6, 9, 10, 37, 59, 63, 64, 76, 77, 81, 82, 118, 123, 126, 133, 160, 198, 208, 220, 236, 237, 256, 276
 distance model 2
 distance settings 1, 9, 302

E

e-labs 93
 e-learning 2, 17, 37, 76, 77, 96, 103, 273, 277, 311
 e-simulations 98
 early adopter 7, 211, 225
 elearning guidelines 261, 267, 269, 271, 273, 274, 279
 empirical evaluation 6
 establishing communities 12, 14
 establishing social presence 61, 82, 135
 evaluative model (SCIA) 57

F

F2F social events 158
 face-to-face activities 21, 110, 212
 face-to-face class 5, 32, 36, 83, 84, 196, 208, 209, 211, 215, 304
 face-to-face classes 3, 8, 9, 27, 29, 30, 32, 33, 81, 82, 209, 211, 245, 247, 251, 308
 face-to-face classroom 11, 30, 31, 136, 166, 191, 204, 205, 206, 209, 211, 216, 244, 247
 face-to-face classroom learning 30
 face-to-face component 2, 11, 14
 face-to-face conversation 3
 face-to-face delivery 64, 65, 70, 74, 146
 face-to-face discussions 8, 19, 22, 26, 32, 177, 210, 300
 face-to-face interaction 6, 9, 12, 13, 80, 113, 185
 face-to-face paradigm 7
 face-to-face period 81

Index

face-to-face sessions 6, 8, 31, 35, 36, 80, 82, 86, 145, 185, 196
face-to face instructor 81
face to face situations 41
flexible learning 22, 264, 276
formal and informal learning 107
forum 32, 38, 47, 48, 51, 52, 53, 69, 84, 85, 86, 131, 141, 147, 151, 152, 189, 241, 247, 248
framework 4, 5, 6, 16, 17, 19, 21, 23, 24, 28, 34, 37, 39, 40, 42, 45, 46, 47, 48, 54, 57, 58, 59, 64, 70, 72, 75, 101, 107, 109, 128, 140, 141, 148, 159, 161, 163, 166, 168, 170, 179, 183, 187, 188, 198, 199, 206, 210, 211, 212, 213, 216, 217, 219, 223, 224, 231, 232, 233, 235, 236, 240, 241, 243, 251, 252, 256, 257, 263, 264, 269, 273, 274, 275, 281, 282, 283, 286, 291, 296, 300, 301, 304, 306, 309
fully online model 3, 11
Funding grants 227
future development 144

G

Geer's framework 4
generic view 298
global learning communities 57

H

holistic model 5
hybrid learning 2, 19

I

ICT-based education 107
ideology 206
immersive learning 261
impact of technology 161
impediments to the development 134
implementation 74
imprinting 52
informal communities 133, 148, 156
informal learning 14, 83, 92, 107, 126, 128, 131, 138, 139, 155, 157, 165, 305

information communications technology (ICT) 2, 165, 281
institutional support dimension 239, 245, 246
instructional design 16, 39, 40, 41, 44, 53, 54, 55, 56, 57, 58, 107, 110, 112, 113, 123, 217, 261, 267, 306
instructional strategies 5, 58
integration 2, 3, 5, 33, 40, 42, 45, 63, 64, 65, 69, 75, 83, 107, 109, 114, 139, 144, 145, 146, 147, 148, 150, 151, 152, 156, 158, 164, 187, 206, 212, 223, 231, 234, 249, 260, 261, 262, 266, 271, 275, 282, 286, 290, 295, 301, 305, 308, 310
intellectual property 230, 232, 233, 234, 235, 276, 310
interactive pedagogies 5, 46, 58
interactive technologies 5, 44, 46, 47, 300, 304
Italian network-based education context 105
IT industry 130, 133
IT professionals 127, 130, 131

J

joint enterprise 67, 134

K

key role 41, 116, 260

L

learning community 11, 12, 13, 14, 15, 41, 43, 44, 45, 56, 67, 68, 77, 78, 106, 122, 134, 135, 136, 137, 159, 165, 167, 169, 178, 185, 197, 211
learning design 3, 5, 8, 9, 21, 22, 23, 33, 42, 56, 57, 58, 59, 81, 146, 206, 216, 240, 249, 261, 263, 266, 267, 268, 271, 274, 275, 276, 300, 304, 308, 309
learning management system 27, 65, 71, 79, 80, 115, 119, 133, 135, 168, 222, 223, 224, 225, 228, 230, 231, 236, 269
learning management system (LMS) 6, 9, 168, 223, 269

learning process 5, 11, 12, 13, 14, 26, 32, 41, 42, 47, 80, 96, 106, 110, 111, 112, 113, 119, 132, 166, 205, 206, 211, 212, 282, 304

M

managed CoP 149
 micro-communities 154, 157, 158, 305
 microcomputer-based laboratories (MBL) 93
 mixing contexts 81
 mixing learning objectives 81
 mixing media 81
 mixing of online with face-to-face learning 81
 mixing theories of learning 81
 mobile device 89
 moderator 24, 155, 185, 190, 194, 309, 311
 modes of delivery 62, 63, 145
 Monash University 223, 224, 231, 232, 237
 MP3 player 83, 84, 85, 87
 multi-layered approach 156
 multi-membership 164
 multi-membership of communities 164, 165, 178
 multimedia educational materials (MEM) 84
 Multimedia Systems course 84, 87

N

nature of CoP 157
 network-based education (NBE) 106
 network communication 106
 networked collaborative learning (NCL) 106, 107
 network generation 105, 117
 new communication medium 21
 nomadic learning 115
 nurture communities of practice 144

O

online communities 10, 11, 12, 14, 18, 41, 68, 76, 126, 128, 131, 132, 134, 141, 142, 147, 149, 152, 155, 160, 161, 166, 180, 182, 183, 184, 195, 199, 200, 201, 300, 309
 online communities of learning 126

online community 13, 14, 42, 46, 67, 76, 126, 131, 134, 135, 136, 137, 138, 141, 142, 149, 161, 174, 182, 183, 184, 187, 188, 191, 194, 195, 196, 197, 198, 199, 301, 305
 online community of learning 126, 134, 136
 online community of practice 136, 161, 183, 199
 online component 2, 147
 online conversation 279
 online dimension 245
 online discussions 22
 online forums 131
 online interaction 2, 9, 12, 69, 80, 128, 135, 175, 194, 205, 302
 online learning 2, 3, 5, 7, 10, 11, 13, 14, 16, 17, 19, 26, 27, 43, 44, 45, 47, 53, 54, 56, 57, 58, 59, 60, 61, 65, 67, 68, 71, 77, 80, 81, 82, 83, 107, 110, 113, 119, 120, 126, 128, 129, 130, 134, 135, 136, 137, 138, 141, 142, 145, 146, 149, 157, 161, 164, 165, 166, 167, 169, 175, 176, 177, 178, 183, 184, 187, 193, 195, 197, 198, 201, 205, 210, 212, 216, 219, 239, 240, 250, 251, 254, 257, 258, 260, 265, 266, 280, 281, 283, 284, 285, 287, 296, 301, 302, 307, 308
 online learning community 67
 online learning resources 280
 online learning technologies to support workplace training 128
 open and distance learning 17, 19, 76, 78, 107, 110, 143, 159, 238

P

pedagogic 31, 34, 36, 81, 193, 299, 300, 303, 309, 310
 pedagogical approaches 5, 80, 234, 239, 240, 250, 253, 254
 pedagogical dimension 106
 pedagogical framework 39, 40, 42, 47, 54, 206
 pedagogical richness 81
 peripheral participation 17, 77, 140, 180, 184, 305

Index

personal agency 81
personalised learning 39, 105, 116, 118, 119, 173, 299, 300
podcasts 6, 79, 80, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 102, 299, 300, 303, 304
policy 229
political climate 230
political reasons 227
professional development 6, 7, 10, 11, 12, 13, 14, 16, 33, 34, 64, 67, 70, 71, 75, 76, 92, 115, 127, 130, 138, 141, 144, 145, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 163, 164, 165, 166, 167, 168, 169, 171, 172, 173, 175, 177, 178, 179, 182, 183, 184, 185, 187, 191, 192, 194, 195, 197, 198, 199, 201, 202, 214, 217, 228, 231, 234, 235, 239, 240, 244, 246, 252, 253, 254, 258, 261, 262, 264, 265, 266, 268, 269, 274, 275, 276, 277, 281, 283, 284, 285, 286, 287, 294, 295, 300, 301, 303, 305, 306, 308, 309, 310
professional development centres 13, 144, 145, 147, 149, 150, 151, 152, 153, 155, 157, 158, 159, 300, 303, 310
professional learning 1, 10, 11, 12, 13, 14, 15, 164, 165, 168, 169, 172, 183, 191, 194, 195, 197, 253, 264, 299, 301, 302, 303, 306, 308, 309, 310, 311
programme redesign 64
project-based 107, 113, 296
purposeful sampling approach 244

R

reciprocal mentoring (RM) 280, 281, 282
recommendations for practice 299
redesign 5, 12, 33, 62, 63, 64, 65, 66, 68, 71, 72, 73, 74, 75, 76, 146, 205, 242, 253, 255, 262, 273, 275, 301, 302, 304, 305, 309

reflection 5, 10, 12, 18, 24, 25, 26, 29, 37, 40, 45, 82, 147, 153, 166, 168, 170, 171, 177, 193, 206, 211, 217, 223, 241, 260, 261, 264, 265, 274, 275, 289, 290, 291, 295, 298, 299, 301, 303, 304, 306, 308
resource-based learning (RBL) 240, 250
resource-based learning environments (RBLEs) 251
resources development 229
restructure learning 39
retrospective comparative case study 280
rewards and acknowledgement schemes 230

S

SCIA model 58
shared repertoire 67, 134
simultaneous independent 146
situated e-learning 164
situated learning 67, 125, 128, 142, 161, 164, 168, 179, 261, 263, 264, 266, 267, 274, 276, 277, 306
social and teaching presence 45, 58, 211
social constructivist 25, 41, 128, 166
social interdependence 43, 45
social networking 117
social networking sites 105, 117, 307
social presence 41, 43, 60, 61, 219
social software 116, 118, 126, 155, 236
social web tools 58
socio-linguistic process 147
student-centred environment 41
student demand 227
student learning 15, 16, 21, 27, 37, 39, 41, 48, 58, 63, 66, 68, 72, 74, 83, 101, 125, 134, 145, 152, 206, 214, 217, 241, 247, 248, 249, 250, 256, 261, 264, 265, 281, 303, 305, 310
supplemental 3

T

talkback radio-style segments 82
task-based learning 250

teacher 3, 5, 7, 9, 10, 16, 23, 24, 27, 28,
 29, 31, 32, 34, 35, 36, 39, 47, 48,
 62, 63, 64, 65, 66, 67, 68, 70, 71,
 72, 74, 75, 76, 77, 78, 79, 80, 81,
 83, 85, 88, 89, 90, 91, 93, 107,
 108, 109, 110, 112, 113, 133, 134,
 135, 139, 160, 161, 162, 164, 168,
 169, 170, 171, 172, 175, 176, 178,
 180, 182, 186, 189, 190, 196, 197,
 198, 199, 204, 205, 206, 207, 209,
 210, 211, 213, 219, 226, 227, 229,
 232, 239, 240, 241, 244, 245, 246,
 247, 248, 249, 250, 251, 252, 254,
 260, 261, 263, 264, 268, 275, 281,
 282, 283, 284, 285, 286, 287, 288,
 289, 290, 291, 292, 293, 294, 295,
 296, 297, 300, 303, 304, 306, 308,
 309, 311
 teacher-student relationships 89
 teacher education 16, 36, 39, 47, 48, 62,
 63, 64, 65, 66, 67, 68, 74, 75, 76,
 77, 78, 199, 209, 295, 297, 311
 teaching perspective 206, 213, 215
 teaching philosophies 206
 teaching presence 12, 44, 45, 55, 58, 59,
 76, 78, 134, 206, 211, 212, 217
 technological pedagogical content knowledge
 280
 technology-intensive automations 93
 technology-mediated interaction framework 45
 technology-mediated Interactions 4
 technology-supported professional develop-
 ment activities 151
 technology adoption 223
 technology enhanced learning 107
 technology obsolescence 130
 technology shift 133
 text-based 8, 22, 24, 25, 29, 30, 32, 36,
 40, 57, 59, 69, 132, 146, 211, 247,
 307
 theoretical foundation 43
 TMI framework 57, 58

tools 4, 11, 12, 40, 47, 54, 58, 59, 71,
 75, 84, 85, 86, 91, 92, 93, 94, 98,
 99, 100, 109, 116, 117, 118, 119,
 120, 133, 147, 148, 155, 158, 159,
 168, 175, 182, 183, 184, 185, 186,
 187, 192, 194, 195, 196, 197, 198,
 227, 241, 242, 244, 247, 248, 249,
 253, 254, 260, 261, 265, 268, 271,
 274, 275, 276, 281, 294, 301, 305,
 307

U

uncertain situations 92
 undergraduates 36
 unstable technology 229, 230

V

variation 3, 4, 5, 7, 34, 52, 89, 90, 152,
 166, 167, 170, 171, 174, 175, 177,
 178, 179, 225, 267, 274, 299, 301,
 306, 307, 308, 309
 variation theory of learning 4, 89, 267
 virtual learning environment (VLE) 8

W

web-based course components 69
 web-based discussions 26
 web-based learning 210
 web-based technologies 151, 158
 web-delivered components 69
 WebCT 69, 117, 133, 135, 223, 226, 227
 web enhanced learning 107
 web explorer 120
 web tools 58
 workloads 229
 workplace learning 130, 131, 133, 135, 142,
 148, 166, 177, 309

Z

zone of proximal development (ZPD) 44