Contents

PART I. BASIC REGULATORY PROCESSES

	1. Self-Regulation of Action and Affect Charles S. Carver and Michael F. Scheier	3
	2. The Self-Regulation of Emotion Sander L. Koole, Lotte F. van Dillen, and Gal Sheppes	22
	3. Giving In to Temptation: The Emerging Cognitive Neuroscience of Self-Regulatory Failure Dylan D. Wagner and Todd F. Heatherton	41
	4. Self-Regulatory Strength Isabelle M. Bauer and Roy F. Baumeister	64
	5. Willpower in a Cognitive Affective Processing System: The Dynamics of Delay of Gratification Walter Mischel and Ozlem Ayduk	83
7 0 0	6. Self-Regulation and Behavior Change: Disentangling Behavioral Initiation and Behavioral Maintenance Alexander J. Rothman, Austin S. Baldwin, Andrew W. Hertel, and Paul T. Fuglestad	106
	PART II. COGNITIVE, PHYSIOLOGICAL, AND NEUROLOGICAL DIMENSIONS OF SELF-REGULATION	ON
	7. Nonconscious Self-Regulation, or the Automatic Pilot of Human Behavior Esther K. Papies and Henk Aarts	125
	8. Promotion and Prevention Systems: Regulatory Focus Dynamics within Self-Regulatory Hierarchies Abigail A. Scholer and E. Tory Higgins	143

9.	Planning Promotes Goal Striving Peter M. Gollwitzer and Gabriele Oettingen	162
10.	The Reason in Passion: A Social Cognitive Neuroscience Approach to Emotion Regulation Kateri McRae, Kevin N. Ochsner, and James J. Gross	186
11.	Working Memory and Self-Regulation Wilhelm Hofmann, Malte Friese, Brandon J. Schmeichel, and Alan D. Baddeley	204
12.	Local and Global Evaluations: Attitudes as Self-Regulatory Guides for Near and Distant Responding Alison Ledgerwood and Yaacov Trope	226
13.	Identifying and Battling Temptation Ayelet Fishbach and Benjamin A. Converse	244
	PART III. DEVELOPMENT OF SELF-REGULATION	
14.	Effortful Control: Relations with Emotion Regulation, Adjustment, and Socialization in Childhood Nancy Eisenberg, Cynthia L. Smith, and Tracy L. Spinrad	263
15.	Attentional Control and Self-Regulation M. Rosario Rueda, Michael I. Posner, and Mary K. Rothbart	284
16.	A Bidirectional Model of Executive Functions and Self-Regulation Clancy Blair and Alexandra Ursache	300
17.	Aging and Self-Regulation William von Hippel and Julie D. Henry	321
	PART IV. SOCIAL DIMENSION OF SELF-REGULATION	
18.	The Sociometer, Self-Esteem, and the Regulation of Interpersonal Behavior Mark R. Leary and Jennifer Guadagno	339
19.	Early Attachment Processes and the Development of Emotional Self-Regulation Susan D. Calkins and Esther M. Leerkes	355
20.	When People Strive for Self-Harming Goals: Sacrificing Personal Health for Interpersonal Success Catherine D. Rawn and Kathleen D. Vohs	374
21.	The Effects of Social Relationships on Self-Regulation Eli J. Finkel and Gráinne M. Fitzsimons	390

Contents

22.	The Effects of Self-Regulation on Social Relationships Gráinne M. Fitzsimons and Eli J. Finkel	4	407
23.	Waiting, Tolerating, and Cooperating: Did Religion Evolve to Prop Up Humans' Self-Control Abilities? Michael E. McCullough and Evan C. Carter	4	422
	PART V. PERSONALITY AND SELF-REGULATION		
24.	Temperament and Self-Regulation Mary K. Rothbart, Lesa K. Ellis, and Michael I. Posner		441
25.	Self-Efficacy Beliefs and the Architecture of Personality: On Knowledge, Appraisal, and Self-Regulation Daniel Cervone, Nilly Mor, Heather Orom, William G. Shadel, and Walter D. So		461
26.	Impulsivity as a Personality Trait Colin G. DeYoung	4	485
	PART VI. COMMON PROBLEMS WITH SELF-REGULATION		
27.	Self-Regulatory Failure and Addiction Michael A. Sayette and Kasey M. Griffin	!	505
28.	The Self-Regulation of Eating: Theoretical and Practical Problems C. Peter Herman and Janet Polivy		522
29.	Self-Regulation and Spending: Evidence from Impulsive and Compulsive Buying Ronald J. Faber and Kathleen D. Vohs		537
30.	Attention-Deficit/Hyperactivity Disorder, Self-Regulation, and Executive Functioning Russell A. Barkley	d	551
	Author Index		565
	Subject Index		585

Subject Index

Abecedarian experiment, 312 Absentminded lapses, 507 Absorption, 545 Abstinence seeking, 506 self-efficacy, 512 Abstinence-avoidance, 506 Academic performance, 313, 393, 170 - 171Acceptance, 340, 343-344 Acquiescence, 513-515, 540 Action chains, 131 monitoring, 291 representations, 136 Activation control, 264, 272 Active avoidance, 4 Active self-account, 127-128 Activity level, 443-444, 446 Actual selves, 9 Adaptability, 443 Adaptive coding model, 303 Addiction, 505-506 Adult attachment theory, 400 Affect, 6-12, 47, 538 blunted, 47 expectations, 359 regulation. See emotion regulation See also emotion

Affiliative needs, 451 Agency, 126, 464 Aggression, 44, 270, 426, 450 in children, 365, 446-447 effects of ego depletion on, 71 impulsivity, 490 intimate partner violence, 409-410 religiosity, 427 Agreeableness, 494, 495, 497 Akinetic mutism, 46-47 Alcohol consumption, 509, 527-528, 531 as an act of self-control, 379-380 and working memory capacity, 213, 218 Alcohol myopia, 530 Alcoholics Anonymous, 390 Alcoholism, 30, 378, 542 Alerting, 286, 287, 510-513 Alpha, 494-495 Amygdala, 28, 48-49, 86, 99-100, 194-195 differences in clinical populations, 199 in down-regulating negative affect, 193 in older adults, 329 in reappraisal, 190

Anger, 9, 267-268, 272, 446 control of, 317, 362 Anterior cingulate cortex, 46-47, 50, 93, 285-286 and attention, 287 effect of lesions, 288 Anterior cingulate gyrus, 264, 447 Anticipatory action, 558 Anticipatory eye movements, 448 Antidepressants, 507 Antisaccade task, 214 Antisocial behavior, 451 Antisocial personality disorder, 350-351 Anxiety, 94, 97, 464, 465, 527 in children, 443, 446-447, 449 and compulsive buying, 544 emotion regulation of, 31, 33 and stress, 305-306 Anxiety disorder, 198–199 Apathy, 45, 47 Appetitive behaviors, 51, 511 Appraisals, 462 Approach and avoidance orientations, 9, 227, 250-251, 265, 414, 491 in children, 446, 447, 451, 453 and emotion, 7 goals, 470 motivation, 514

Approach sensitivity, 9	Balancing, 247	Commons dilemma, 235
Approach-withdrawal, 443	Bargaining, 539	Compassionate support, 453
Arched back nursing, 310	Barratt Impulsiveness Scale, 488	Competence, 413, 471
Arousal, 48, 308	Behavior genetics, 495	Competence-related goals, 452
Assessment tendencies, 396	Behavioral	Compulsive buying, 541–546
Attachment anxiety, 414	adherence, 471	Confidence, 446
Attachment style, 350, 356	disinhibition, 558	Conflict resolution, 288, 294,
and behavioral self-regulation,	maintenance, 107-112	329
364–366	regulation, 263	Conflicting goals, 288–294, 329
and emotion regulation,	Behavioral activation system, 443	control, 288
361–363	Behavioral inhibition system, 443	identification, 245–248
and emotional development,	Beta, 494–495	monitoring, 28
357–361	Bidirectional model of executive	Conformity, 374, 428
and physiological self-	function, 300–301,	Conscience, 268, 446, 449
regulation, 363-364	304-308	Conscientiousness, 426,
psychobiological interpretation	Binge eating, 30, 381–382	491–495, 497
of, 360	Biological sensitivity model, 311	and impulsivity, 590–591
Attention, 134, 205, 284–285,	BIS-11, 492	and religiosity, 427
305, 309, 509	Body-mind training, 33-34	Conscious planning, 126
control, 49, 66, 69, 93, 96–97,	Borderline personality disorder,	Consciousness, 134–136
263, 357, 363	48-49	Consistency, 228, 233-234
in children, 270–274, 276,	Bulimia, 542	Constitutional, 441
449-451	Buying Impulsiveness Scale, 541	Construal level, 75, 229–230,
development of, 265–266		236–238, 529
dopamine, 496	Calmness, 9	attitudes, 230–234
strategies, 270	Cancer screenings, 168	goals and temptations,
system, 192, 204–205	Central executive, 205-206, 212	245–255
development of, 288-293	Cerebrovascular stroke, 41	social dilemmas, 234–235
deployment, 25, 86, 91, 194	Challenge response, 431	social influence, 231–233
distraction, 362	Change, 149–151	temporal discounting, 236
engagement and	Cheating, 70–71	Constructionist approach, 231
disengagement, 357, 445	Child Attention Network Test,	Controlled breathing, 26, 31
focusing, 447	447	Cooperating, 423, 428–429, 432
management, 15	Children's Behavior	Coping, 512, 515
shifting, 301, 447	Questionnaire, 444, 446	Corporeal punishment, 274
span, 266, 443	Choice bracketing, 246	Cortical activity, 9
three aspects of, 306	Cingulate cortex, 306	Cortisol, 34, 306, 310, 364
and working memory, 214	Cingulotomy, 46	Counteractive-control model, 529
Attention-deficit/hyperactivity	Circadian rhythms, 326	Counteractive control theory, 248
disorder (ADHD), 166,	Coasting, 10–13	Counteractive optimism,
271, 488, 551–552,	Cocaine, 92	255-256
558-559	Cocktail party effect, 340	Counterfactual thinking, 155
and anxiety, 446	Cognitive	Counterregulation, 31
emotion recognition, 327	appraisals, 26	Craving, 506, 508–509, 511–514
empathy, 328	bias modification, 32	Craving induction treatments,
Attention network task (ANT),	change, 26	517
290	load, 164, 212, 218	Criterion, 7
Attentional inertia, 303	Cognitive-behavioral therapy	Cue reactivity, 52, 528
Attentional persistence, 444	(CBT), 189, 516	D :: 1: 72 70
Attitudes, 227	Cognitive complexity and control	Decision making, 73, 78
Attraction effect, 73	theory (CCC-R), 304	Defensive bias, 30
Authoritarian parenting, 274	Cognitive performance	Delay of gratification, 268, 363,
Automaticity, 29, 92, 462, 65	analytical, 465	391, 399, 409, 449, 559
automated will, 128	control, 28	construal level, 236
automatic attitudes, 532	flexibility, 151	development of, 86
automatic goal pursuit, 392,	narrowing, 545	preschool delay paradigm, 84,
472	Cold pressor task, 73	92–93
in smoking, 413	Cold-to-hot empathy gap, 512	self-regulation of eating,
Autonomy, 413	Commitment, 152, 162, 414, 416	529–539

Deliberation, 73, 491 Delinquent behavior, 382–383	Ego depletion, 66, 169, 218, 287, 376	Event-related potentials (ERP), 291
Dementia, 324	conflict identification, 245	Executive
Dependency paradox, 395	criticisms of, 313	attention, 265, 305–307, 449,
Depression, 10, 33, 465, 471, 527	emotion regulation, 49	452
and aging, 325–326	impulsive buying, 537–538, 540–541	control, 69, 286–287
and compulsive buying, 542,	See also strength model of self-	function, 41–42, 45, 307–308, 321, 551, 552–560
Desire, 532–533	control	development of, 303,
Desired selves, 5	Ego resiliency, 270–272, 451–452	308–312
Deviance regulation theory, 384	Electroencephalography (EEG),	measurement of, 301
Deviant behaviors, 449	166	relation to self-regulation,
Diabetes, 399-400	Emotion	302
Diagnostic and Statistical	arousal, 527	system, 65
Manual of Mental	inhibition, 53	thinking, 300
Disorders (DSM), 485	intensity, 267, 451	Exogenous self-regulation, 306
Dichotic listening, 163	recognition, 327	Expectancy value principle, 127
Dietary restraint, 52, 168, 247,	response to failure, 153	Expectations, 255–256
252–253, 524	See also affect	Experiential system, 15
ego depletion, 67	Emotion regulation, 22–35,	Expressive writing, 31
emotional distress on, 527	68–69, 74, 188, 264–265,	External controls, 528
self-efficacy, 115	276, 305, 506, 527, 556–557	External cues, 530 External motivation, 118–119
working memory capacity, 218 Dimensional change card sorting	definition, 187	External motivation, 118–119 Externalizing behavior, 269, 271,
task, 303, 314	down-regulation, 25–26	363–366, 450–451, 495,
Discrepancy-enlarging loops, 4	dysregulation, 363	497
Discriminate facility, 91	effects of training on, 32–34	Extraversion, 305, 442-444,
Disengagement, 210, 394	impulsive buying, 93, 543	489, 491–497
Disgust, 327	maintenance, 25	Eysenck's personality taxonomy,
Disinhibition, 526, 528	need oriented, 29-30	490
Distractibility, 443	neural bases of, 48-49	
Distraction, 26, 45, 530	religion, 430-432	Facial Action Coding System
Distress, 530–531	stages of, 25–27	(FACS), 514
Dopamine, 51, 364, 496, 514	uninstructed emotion	Factor analysis, 23
Dorsal anterior cingulate cortex,	regulation, 198	Failure, 9, 14, 107
28	up-regulation, 25	False hope syndrome, 510
Down-reglation, 191–193	working memory capacity,	Family
Drinking, 68, 493, 513	216–217 Emotional	conflict, 453 income, 453
Drugs, 382–383 cues, 512	sensitivity, 24, 32	stress, 451
Dual-process models, 15	states, 509	Fantasizing, 546
Duality, 31	Emotional self-regulation,	Fatigue, 510
Dysphoria, 31, 472	355–357, 365	Fear, 362, 444, 446–447, 527
	effects of dyadic interactions	Fear extinction paradigm, 48
Early Adolescent Temperament	on, 357–358	Fearful inhibition, 446
Questionnaire, 449	in infants, 367	Feedback loops, 4-5, 6-7, 65
Eating, 522-525	Emotional Stroop, 515	comparator, 427-428
Ecological Momentary	Emotionality, 267–268	input, 427
Assessment, 513	Emotions-in-relationships model,	output, 428
Effortful control, 263–264, 271,	412	reference value, 428
290, 305, 447–448, 451,	Empathic overarousal, 269	Five-factor model, 485, 490–491,
453, 465	Empathy, 269, 351, 397–398	494
development of, 265–266,	aging, 327–328	Flanker paradigm, 164, 290–291, 306
444–445, 449 five components of, 266	in childhood, 446 cognitive and affective	Flexibility, 557
socioemotional outcomes,	components, 327–328	Flexible action control, 31
449–451	effortful control, 450	Flexible evaluative response, 228
stability of, 266	Error detection, 448	Fluency, 557
Ego, 88	Evaluating progress, 399-400	Fluid intelligence, 43, 74, 307

objects, 133

fMRI, 191, 287, 291 Guilt, 268, 539 Inhibitory Focalization of brain activity, in childhood, 446 ability, 322-326 291 and compulsive buying, 542, control, 15, 264, 271, 290, Forgetfulness, 558 544 301, 447 Forgiveness, 416 effortful control, 450 tendencies, 453 Frontal cortex, 551 Initial violation, 542 Frontal lobe, 166, 205 Habitual responses, 172 Inner democracy, 31 Frustration, 267, 273, 444, 446 Habituation, 24, 309 Instrumental others, 412–413 Frustrative nonreward, 8-9 Health, 331, 395 Integrative theory, 303 Functional impulsivity, 486-487, Heart rate, 306 Intelligence, 42-43, 449 493 Hedonic needs, 29-30 Intelligent thought, 74 Functional magnetic resonance Hedonism, 428 Intensity, 443 imaging (fMRI), 48 Heuristics, 72-73, 78 Intentions, 132 High-level construal, 229 Interference control, 556 Gambling, 326, 493 High-maintenance interactions, Internal General motivational 72, 397 motivation, 118-119 orientations, 414 Highlighting, 247 working model, 358 Generalized anxiety disorder, Hippocampus, 85 Internalizing 154 Homeostasis, 4 action, 557 Generativity, 557 Honesty, 432 behavior, 451 Generosity, 432 Hot/cold system, 85-86, 88-89 problems, 269, 272, 363-366, Genetics, 292-293 Human immundeficiency virus 446, 450-451 Global evaluations, 230 (HIV), 383 speech, 555 Glucocorticoid receptors, 311 Humors, 441 Interpersonal conflict, 270 Glucose, 53-54, 532 Hyperphagia, 51 Interpersonal goals, 377, and ego depletion, 77 Hypnotism, 288 411-412 Go/no-go task, 50, 165, 291, 488 Interracial interactions, 71 Goals, 4-6, 10-14, 127, 17 Impulsiveness Scale, 488 Intrapersonal goals, 377 244-245, 391-392, 428, Iconic representations, 89 Intrinsic 448, 469 Id, 87–88 goal orientation, 471 abandonment, 13 Ideal selves, 9, 29, 145 motivation, 76 abstract vs. concrete, 28 Ideomotor principle, 127, 129 Intrusion theory of desire, 208 activation, 252-253 Immune functioning, 34 Iowa Gambling Task, 151 anti-goals, 4 Implementation IQ, 312-454 commitment, 99 intentions, 76, 92, 162-177, testing, 488 conflict, 245-246, 247-248, 254 Irritability, 444 528 mindset, 209 contagion, 394 Implicit Association Task, 51, Kaufman Brief Intelligence Test contents, 469 173, 215–216, 323 (K-BIT), 294 flexible updating, 210 Implicit attitudes, 50 Knowledge structures, 528 inhibition, 134 intentions, 128 Knowledge-and-appraisal initiation, 391-394 self-control, 251 personality architecture intentions, 162 self-esteem compensation, 351 (KAPA), 462, 474 monitoring, 391 self-regulation, 425, 430-431 KOPP's model of self-regulation nonconscious priming of, volition, 128 development, 448 129-130, 131-132, 134 Impulse, 16 operation, 391, 394-399 Impulse buying, 67-68, 538-541, Latent anxiety, 33 orientation, 470 546 Lateral prefrontal cortex, 45-46, Impulse control disorder, 542 proximal vs. distal, 470 representations, 4, 88 Impulsive system, 15 Learning setting, 391, 466 Impulsivity, 270, 427, 443, 446, goals, 470 shielding, 209, 252 451 orientation, 470 structures, 470-471 definition of, 485-488 Left anterior activity, 9 system level, 146 with deliberation, 487, 488 Lexical Goal-directed behavior, 47 measurement, 488-489 approach, 490 Goal-directedness, 307 in trait taxonomies, 489-491 decision task, 164 Goal-instrumental Industriousness, 492–493 Life satisfaction, 471 individuals, 395 Infant attachment, 275 Likelihood of success, 400-401

Inhibition, 45, 486, 555

Limbic system, 93

Local action guides, 238	Motivational	Outputs, 430
Locomotion tendencies, 396	orientation, 393	Overeating, 45
Logical reasoning, 74	priority, 413	8, 12
Logrolling, 172	Multidimensional Personality	Pain, 288
Loneliness, 330	Questionnaire, 488	Parenting, 450
Low-level construal, 229	2 1 2 2 3 25 681 fe samenas	education, 453
	Narcissism, 348	parenting styles, 274
Magnetoencephalography	n-back task, 301	quality, 453
(MEG), 179	Negative affect, 341, 362, 430,	responsiveness, 274
Major depressive disorder, 48,	445, 510	sensitivity, 367
198–199, 545	and compulsive buying, 543	socialization, 275
Maladjustment, 271	and impulsivity, 493	Partner regulation, 417
Maternal	regulation of, 193	Passivity, 69
control, 451	and withdrawal, 507	Patience, 423
depression, 453	Negative emotionality, 97,	Peer pressure, 382
sensitivity, 363	267–269, 272, 305, 444,	Penalties, 250
Maturation, 557	448, 450–451	Penfield's sister, 45
Meaning in life, 431	effects of parenting, 450	Perceived calories, 526
Medical regimens, 395	lowering, 34	Perfectionism, 176, 472, 544
Meditation, 430	Negative	Performance
Memory, 465, 530	emotions, 545	feedback, 69
		goals, 470
Mental contrasting, 178–179	mood, 472, 540 ruminations, 33	
Mental contrasting with		orientation, 470
implementation intentions	urgency, 493–494	Perry Preschool Study, 312
(MCII), 179–180	Negotiations, 171–172	Perseverance, 492–493
Mesolimbic dopamine system, 51	NEO Personality Inventory, 488,	Persistence, 68–69, 465
Metabolism, 522–523	494	Person categorization, 51
Metacognition, 551	Neuroticism, 443, 490–491,	Person-oriented emotion
Michelangelo phenomenon,	493–495, 497	regulation, 30–31
395–396, 413	New York Longitudinal Study, 444	Personal
Mimicry, 238	Nicotine addiction, 505–506	distress, 269
Mind wandering, 215-216, 509	Nonauthoritarian parenting, 274	goals, 412–414
Mindfulness, 31, 33	Nonconscious	mastery, 473
Mindset theory of action phases,	goals, 132–133, 471–472	Personality, 441–442
177	motivation, 127–129	architecture, 462
Misregulation, 505–507, 542	self-regulation, 126-127	style, 474
Mixed-motive interactions, 249	Nonverbal working memory, 556,	Perspective-taking, 327–328,
Modal model of emotion,	558	558
187–188	Norms, 424	Philosophy of mind, 463
Modeling, 392, 465, 523	Nucleus accumbens, 51–52	Phobias, 31, 166
Monitoring, 28, 210, 285, 294,	01 - 1 221	Phonemic fluency test, 323
507, 511, 537	Obesity, 331	Physical
interpersonal influences on,	Objectivity, 558	endurance, 68
399–401	Obsessive–compulsive disorder,	exercise, 76
nonconscious, 133	542	Plasticity, 494–495
in smoking, 509–510	Openness/intellect, 490, 494,	Pleasure principle, 29
Mood, 10, 443	496–497	Pluralistic ignorance, 380
and compulsive buying, 543	Operating system, 28	Popularity, 270
experimentally manipulated, 13	Operation span (OSPAN), 207,	Positive
freeze, 506–507	215, 218	affect, 129-130, 341, 514
and impulse buying, 540	Oppositional defiant disorder	and approach tendencies,
Mood disorders, 48	(ODD), 365	444
Moral conduct, 556	Orbitofrontal damage, 328	counteracting ego depletion,
Morphometry, 48	Orderliness, 492	75
Mortality salience, 78, 218	Orienting, 266, 286, 287, 288,	and impulse buying, 540
Motivated reasoning, 508	444–445, 452	and impulsivity, 493
Motivation, 43, 111, 398, 470	Ought selves, 145	as a resource, 13
Motivation to be nonprejudiced,	Outcome expectancies, 108-109,	illusions, 351
22.4	474	102 104

464

urgency, 493-494

324

Positron emission tomography	Reactivity, 441–442	Risk regulation model, 411
(PET), 48	control, 265–271, 449	Risk-taking, 377, 427
Posttraumatic stress disorder,	inhibition, 272	Role models, 398
198–199	under control, 272	Romantic alternatives, 415-416
Poverty, 309–310	Reading comprehension, 556	Rumination, 27, 325-326
Prayer, 430	Reappraisal, 186-187, 452, 515,	
Precaution adoption process	287	Safety-oriented goals, 394
model (PAPM), 114-115	compared to suppression,	Salivary alpha-mylase, 363
Precommitment, 249-250	195–196	Savoring, 514
Prefrontal cortex, 28, 41, 166,	effects on startle eyeblink, 189	Scholastic Aptitude Test (SAT),
302, 555	memory, 190	84, 449
development of, 360	neurofunctional model of,	Schwartz Value Survey, 428
neural activity in infants,	189–193	Secondary motor cortex, 42, 45
309	of positive stimuli, 194	Self, 126
Prefrontal glioma, 45	priming of, 198	Self-affirmation, 75
Prejudice, 49–51, 322–324	sex and age differences in, 197	Self-agency, 134–136
Preload, 525–526	and working memory, 208	Self-appraisals, 475
Premeditation, 491, 493	Reciprocal altruism, 424, 432	Self-awareness, 342, 429, 509,
Prevention focus, 116, 144, 470	Reflective system, 15	513
Primary emotional response,		
23–24	Regret, 154–155	compulsive buying, 544–545
	Regulatory	escaping from, 530
Primary motor cortex, 42	fit, 148, 150–151, 152	Self-conscious emotions, 328–330
Primitives, 208	focus, 116, 144–151, 154–155,	Self-control, 68
Prisoner's dilemma, 235	415–416	definition of, 3, 65, 552
Privatization of speech, 558	failure, 153–155	dilemma, 244
Problem solving, 465	Regulatory Focus Questionnaire,	exercise, 429
Process dissociation procedure,	145	failure, 65
323	Regulatory Focus Strength	genetic basis of, 275
Process model of emotion	Measure, 145	for personal harm, 374–375
regulation, 188	Reinforcement, 552	scale, 494–495
Processing fluency, 151	Rejection, 328, 340, 343–344,	Self-defense training, 468
Profanity, 44	384, 411	Self-determination theory, 76,
Programs of action, 5	sensitivity, 95-97, 352	413, 471
Progressive muscle relaxation,	Relatedness, 413	Self-direction, 428
26, 31	Relational value, 340	Self-discipline, 493
Promotion and prevention	Relationship	Self-discrepancy theory, 9
orientations, 71, 116,	conflicts, 409	Self-distancing, 94
144, 415–416, 470	insecurities, 393-394	Self-distraction, 94, 559
Prosocial behavior, 70, 269-270,	Relief, 9	Self-efficacy, 107-108, 339,
451	Religion, 422-431	392, 341–343, 401, 411,
Proximity, 538-539	Religious	461–464, 512, 543
Psychological inertia, 511	imagery, 431	appraisals, 463, 473
Psychoticism, 426, 490	motivation, 426	assessment, 464–465
Psychopathology, 355	Religiosity, 424, 426-430	and behavioral maintenance,
Public goods dilemma, 235	Repressive coping style, 33	114–115
Punishment, 8-9	Reprioritization, 12–13	causes, 465
Puzzle box task, 450	Resiliency, 451	generalization of, 467–468
, , , , , , , , , , , , , , , , , , , ,	Response	and goal hindrance, 472
Ramadan, 429	conflict, 47	level, 464
Rapid-response impulsivity,	inhibition, 50, 272, 552, 554	in older adults, 466–467
488	involvement, 310	strength, 464
Rational	modulation, 26, 194	Self-esteem, 544
sorting, 23	Restrained eaters, 52–53, 524,	motive, 342
system, 15	526–528, 532	
Rational choice model, 235		unstable, 349–350
Raven Intelligence Test, 171	Reverse spreading of alternatives,	Self-handicapping, 154
	253–254 Powards 250	Self-knowledge, 475
Reaction time 67	Rewards, 250	Self-monitoring, 381, 428–429
Reaction time, 67	Rhythmicity, 443	Self-play, 555, 557, 559

0.16	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TI () 1 227 222
Self-presentation, 409	Societal complexity, 424	Theory of mind, 327–328
Self-regulation	Sociometer theory, 339–351	Theory of planned behavior,
adaption view of, 69–70	Somatic markers, 99, 556	384
breakdown, 542	Soothability, 445	Theory of reasoned action, 107
definition, 408	Spatial conflict task, 289, 447, 448	Thought suppression, 50, 69,
levels of, 146	Stability, 494–495	215
in rats, 311	Standards, 209, 507–509	Threat
training, 293–294	State self-esteem, 344	avoidance, 9
Self-relevance, 509	Strength model of self-regulation,	response, 431
Self-schemas, 474	53–54, 64–66, 117,	sensitivity, 9
Self-soothing, 29, 357, 361, 559	409–410, 428	Time perception, 511
Self-speech, 555–556, 558	conservation of resources, 75	Tobacco use, 380–381
Self-stopping, 552–555	dieting, 531–532	Tolerating, 423, 428–429
Sensation seeking, 493–494	effects of practice on, 76	Tools of the Mind, 313
Sequence control, 15	religiosity, 429–430	Tower of Hanoi, 302, 467
Serotonin, 495 Sex, 215	social relationships, 396–397	Tradition, 428
Sexual behaviors, 68, 383, 415	smoking, 510–511	Trail Making Test, 323, 324 Training attention, 453–454
exhibitionism, 44, 51	Stereotype threat, 213, 216 Stereotypes, 50, 71–72, 78, 332	Trait
Shamans, 422	Stimulation, 428	self-control, 92–93, 375,
Shame, 446, 450	Stop-signal task, 207, 218	408–409, 494–495, 510
Shyness, 450–451	Strange Situation procedure, 93,	self-esteem, 343, 345–346
Significant others, 391	359–361	Transcendence, 509, 545
Similarity versus	Strategies, 399	Transference, 393
complementarity, 416	Stress, 27, 33, 264, 305, 360,	Transtheoretical model of
Simon effect, 173	507, 510	behavioral change,
Simple motor skills, 357	biological response, 307,	107–108
Situation Skins, 337	309–311, 313	Trust, 416
modification, 25	in children, 284, 309–311,	11401, 110
selection, 25	361, 363	Underregulation, 486, 505,
Sleep deprivation, 49	delay of gratification, 87	507–513, 542
Smoking, 218, 464–465, 474–476	self-distraction, 94	Unitas multiplex, 463
cessation, 67, 107, 116,	Striatal activation, 194	UPPS (Urgency, Premeditation,
149–150	Structural metrics, 48	Perseverance, Sensation
self-efficacy, 115	Subcortical systems, 265	Seeking) Impulsive
treatments, 507, 513	Subjective distress, 485	Behavior Scale, 488,
withdrawal, 510	Substance use, 327, 542	491–492, 496–497
Snowballing, 542	Supervisory attentional system	Urge appraisal, 515
Social	(SAS), 211	Urgency, 493-494
cognition, 474	Suppression, 26, 94–95, 452	
cognitive theory, 107	and working memory,	Vagal withdrawal, 363
comparison, 401, 516	210–211, 217	Value of goals and temptations,
competence, 269-273, 451	Surgency, 305, 444, 448	253-254
cues, 509	Sympathetic arousal, 363-364	Values, 5
dilemmas, 249	Sympathy, 268	Ventral tegmental area (VTA), 51
exclusion, 375, 397		Ventromedial prefrontal cortex,
fences, 235	Tapping test, 290, 448	30, 43–45, 49, 51, 99
influence, 523	Task orientation, 448	Verbal
inappropriateness, 324–325	Temperament, 305, 441–442	fluency, 324, 557
learning theory, 392	Temporal discounting, 84–85,	hostility, 274
norms, 44, 462, 523–524	254, 488–489, 554	intelligence, 85
referencing, 361	and construal level, 236	strategic processes, 193–194
rewards, 377	and religion, 432	working memory, 556, 558
satisfaction, 329	Temptation, 431, 512, 515,	Visual cortex, 192
support, 395–396	244–246	Visuospatial sketchpad, 556
traps, 235	clear versus epsilon cost,	Volitional
value orientation, 235	245–246	efficiency, 430
Socialization, 275	strength, 532	skill, 448

Subject Index

Waiting, 423, 428–429
Weapon identification task, 173
Weight
gain, 506
loss, 116, 149–150
What-the-hell effect, 524–525
Willpower, 65, 461, 476, 539,
540, 556
Wisconsin Card Sorting Task,
301, 302

Working memory, 133–134, 286, 301, 303, 310, 555, 557 behavioral inhibition, 211 brain areas involved in, 45–46 capacity, 67, 206–207, 214–218 conscious versus nonconscious, 218–219 definition, 204–205

emotion regulation, 208 goal pursuit, 208–210 as a limited resource, 212–213 in older adults, 329 span, 69 and suppression, 210–211

Yerkes–Dodson principle, 308, 313