

# Contents

<i>List of illustrations</i>	<i>ix</i>
<b>1 Why the fuss? Evolution and human behavior</b>	<b>1</b>
• Evolutionary psychology is different: Proximate and ultimate explanations	1
• Darwin's theory	5
• From small to big changes: The evolutionary process over billions of years	9
• Sexual selection	16
• From evolution to evolutionary psychology	19
• Summary	20
<b>2 How did we get here: Human evolution and genetics</b>	<b>23</b>
• Human evolution	24
• Evolution of brain size and intelligence	29
• Mendelian genetics – The physical foundation of evolutionary change	35
• From genes to brain and behavior – Three timescales	41
• Heritability and behavior	42
• Summary	43
<b>3 Darwin's second selective force: Sexual selection</b>	<b>47</b>
• Sexual selection – From Darwin to the present	48
• Why have sex? Comparing apomixes and parthenogenesis	54
• Sexual selection and human intelligence?	56
• Sexual selection and sex differences in human aggression	59
• Summary	65
<b>4 Mate choice: The origin of human sexual preferences</b>	<b>67</b>
• Mate choice psychology	67
• The evolution of sex differences	69
• Sex differences in mate choice: Are men from Mars and women from Venus?	72

• What do men and women want – The findings from evolutionary psychology	78
• Cultural variability with regard to sex differences in mate choice preferences	87
• So are men from Mars and women from Venus?	88
• Summary	90
<b>5 Living with others: Evolution and social behavior</b>	<b>93</b>
• Evolutionary social psychology	94
• Kin selection and social behavior	96
• Parental investment theory	103
• One good deed deserves another – Dealing with non-kin	106
• Evolutionary psychology and social psychology today	111
• Summary	112
<b>6 Growing up: Evolution and development</b>	<b>115</b>
• Nature–nurture, development and evolution	115
• Nature–nurture: Explaining similarities and differences	118
• Twins and heritability	119
• Between groups, within groups and heritability	123
• Summary: Is behavioral genetics research a waste of time?	124
• Cognitive development	125
• The problem with babies	126
• What is childhood for? Life history theory and development	129
• A life history theory of development	131
• Summary	136
<b>7 Decisions, decisions: The evolution of cognition and emotion</b>	<b>139</b>
• Cognition and emotion: Two things or one?	140
• Cognition	142
• Evolution and cognition	144
• Summary	150
• Emotion	150
• The function of emotional states	155
• Summary	160
<b>8 When things go wrong: Evolution and abnormal psychology</b>	<b>163</b>
• What is abnormal psychology?	164
• Darwinian medicine and the relationship between evolution and vulnerability to mental health problems	165
• The mismatch hypothesis	167

• Constraints on what natural selection can shape	171
• Design "Trade-offs" – Are there compensatory advantages to mental health problems?	172
• Traits that increase reproduction are at the cost of health and longevity	180
• Many protective defenses have negative aspects	184
• Darwinian medicine – A step forward?	185
• Summary	185
<b>9 Culture cultures: Evolution and culture</b>	<b>189</b>
• What is culture?	189
• Are there any cultural universals?	193
• What is the point of culture?	195
• The mechanisms that underlie culture	197
• From culture to civilization	201
• The economics of specialization	202
• The future of cultural studies	205
• Summary	205
<b>10 Darwinian differences</b>	<b>207</b>
• Why do we differ?	207
• The measurement of personality: A little history	209
• Statistical ways of creating personality types	210
• How many factors?	210
• The stability of personality factors over different situations	212
• Personality in non-human animals	213
• Is there an evolutionary benefit to being different?	215
• No advantage	215
• Changing environmental hypothesis	216
• Trade-offs	218
• Niche fitting and frequency dependency	219
• Niche fitting and psychopathy	222
• Niche fitting and non-disordered personalities	222
• Summary	223
<b>11 Putting it together: Criticisms, debates and future directions</b>	<b>225</b>
• Should evolutionary psychology be used to shape society?	226
• Is evolutionary psychology sexist?	228
• Why do men and women differ in their mate choice criteria?	231
• "Survival of the species" – What does natural selection select for?	235
• Is evolutionary psychology based on genetic determinism?	236

• Does evolutionary psychology argue we are all selfish?	238
• Is evolution unimportant now that we have culture?	240
• The future of evolutionary psychology	240
• The future of psychology is evolutionary psychology?	242
• Summary	243
<i>Glossary</i>	247
<i>References</i>	255
<i>Author index</i>	273
<i>Subject index</i>	277