

# ARE: The Ethics of Human Enhancement

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The Aim of this ARE is to provide an understanding of philosophical thought on the moral aspects of human enhancement equivalent to what would be provided in a graduate level seminar.

**Student:**

**Professor:** Dr. Meredith Schwartz

## Requirements

The aim is to read about 50 pages a week, and write a short (100-150 word) summaries of each reading. In addition, each week you will write one question that could form the basis of an essay on that week's readings or the connection between this reading and those that came before. The rationale for this portion of the ARE is that you will be developing your MRP question soon, and this gives you an opportunity to practice writing essay questions of sufficient depth for an MRP.

To prepare for the MRP we will also read some resources on writing well and managing one's time for large projects.

In addition, you will complete a final paper (about 15 pages in length) that addresses one of the questions we have agreed upon from the list of essay questions above. The paper need not be an argument; it can simply be an explanation of the main positions on a particular topic. You are permitted to write an argument if you so desire.

## Due dates are as follows:

**Summaries:** Monday the week after chapter (or paper) was read

**Essay questions:** The week after the chapter (or paper) was read, submitted with the summaries

**Paper:** August 10

## Submission

Please title your files "# Topic" where the # corresponds to the week, and 'Topic' corresponds to the topic we will cover.

## Readings and Schedule

	Week	Topic	Readings	Pgs.
1	May 15-21		Juengst, Eric (1998). "What Does Enhancement Mean?" <b>(19 pgs.)</b> Giubilini, Alberto & Sanyal, Sagar (2015). "The Ethics of Human Enhancement," <b>(11 pgs.)</b> Koch, Tom (2010). "Enhancing Who? Enhancing What? Ethics, Bioethics, and Transhumanism," <b>(15 pgs.)</b> <b>Writing Well</b>	45
		1. Introduction to Ethics of Enhancement	Williams, Joseph (1990). "Chapter 2: Clarity" 17-43. <b>(26 pgs.)</b>	<b>26</b>
2	May 22-28	<i>a. Introduction to the Debates</i>	Bostrom, Nick (2005a). "In Defense of Posthuman Dignity," <b>(13 pgs.)</b> Giubilini, Alberto (2015). "Don't mind the gap: intuitions, emotions, and reasons in the enhancement debate," <b>(9 pgs.)</b> Quilter, John G. (2016). "The new enhancement technologies and the place of vulnerability in our lives <b>(19 pgs.)</b> Elliott, Carl (2011). "Enhancement Technologies and the Modern Self," <b>(11 pgs.)</b> <b>Writing Well</b>	52
			Williams, Joseph (1990). "Chapter 3: Cohesion" 45-65. <b>(20 pgs.)</b>	<b>20</b>
3	May 29- June 4	1. Introduction to Ethics of Enhancement  <i>b. Perfection and Human Nature</i>	Sandel, Michael (2004). "The Case Against Perfection: What's wrong with designer children, bionic athletes, and genetic engineering," <b>(21 pgs.)</b> . Kamm, Frances M. (2005). "Is there a problem with enhancement?" <b>(10 pgs.)</b> Buchanan, Allen (2009). "Human Nature and Enhancement," <b>(10 pgs.)</b> Roduit, Johann A. R., Jan-Christoph Heilinger & Holger Baumann (2015). "Ideas of Perfection and the Ethics of Human Enhancement," <b>(9 pgs.)</b> Kahane, Guy (2011). "Mastery Without Mystery: Why there is no Promethean Sin in Enhancement," <b>(14 pgs.)</b> <b>Writing Well</b>	64
			Williams, Joseph (1990). "Chapter 7: Concision" 115-133 <b>(18 pgs.)</b> Purdue Online Writing Lab (OWL). "Conciseness" <b>(1 pg.)</b> "Eliminating Words" <b>(1 pg.)</b> "Changing Phrases" <b>(1 pg.)</b> "Avoiding Common Pitfalls" <b>(1 pg.)</b> "Paramedic Method" <b>(1 pg.)</b>	<b>23</b>

	Week	Topic	Readings	Pgs.
4	June 5-11	1. Introduction to Ethics of Enhancement  <i>c. Rethinking Enhancement</i>	Baylis, Francoise and Jason Scott Robert (2004). "The Inevitability of Genetic Enhancement Technologies," <b>(26 pgs.)</b> Oliver, Kelly (2010). "Enhancing Evolution: Whose Body? Whose Choice?" <b>(22 pgs.)</b> <b>Writing Well</b> Williams, Joseph (1990). "Chapter 10: Usage" 169-198 <b>(30 pages)</b>	48    <b>30</b>
5	June 12-18		Bostrom, Nick (2005b). "The Fable of the Dragon-Tyrant," <b>(4 pgs.)</b> Hall, Melinda (2016). "Chapter 3: Rethinking Enhancement," <b>(28 pgs.)</b> Sparrow, Robert (2011). "The Not-So-New Eugenics: Harris and Savulescu on Human Enhancement," <b>(11 pgs.)</b> <b>Time Management &amp; Large Projects</b> Boice, Robert (2000). "Introduction to Section 2: Write in Mindful Ways" 103-114 <b>(11 pages)</b> "Chapter 9: Wait" 115-122 <b>(8 pages)</b>	43       <b>19</b>
6	June 19-25	2. The Treatment-Enhancement Distinction	Resnik, David B. (2000). "The Moral Significance of the Therapy-Enhancement Distinction in Human Genetics," <b>(13 pgs.)</b> Daniels, Norman (2000). "Normal Functioning and the Treatment-Enhancement Distinction," <b>(14 pgs.)</b> Amundson, Ron (2000). "Against Normal Function," <b>(21 pgs.)</b> Holtug, Nils (2011). "Equality and the treatment-enhancement distinction," <b>(8 pgs.)</b> <b>Time Management &amp; Large Projects</b> Boice, Robert (2000). "Chapter 10: Begin Writing Early (Before Feeling Ready)" 123-136 <b>(12 pages)</b> "Chapter 11: Work With Constancy and Moderation" 137-144 <b>(8 pages)</b>	56          <b>20</b>
7	June 26-July 2	3. Cognitive Enhancement  <i>a. Introduction</i>	Ferrari, Arianna; Coenen, Christopher & Grunwald, Armin (2012). "Visions and Ethics in Current Discourse on Human Enhancement," <b>(15 pgs.)</b> Radoilska, Lubomira (2010). "An Aristotelian approach to cognitive enhancement," <b>(10 pgs.)</b> Cakic, Vince (2009). "Smart Drugs for Cognitive Enhancement: Ethical and Pragmatic Considerations in the Era of Cosmetic Neurology," <b>(5 pgs.)</b> Zohny, Hazem (2015) "The Myth of Cognitive Enhancement Drugs," <b>(13 pgs.)</b> <b>Time Management &amp; Large Projects</b> Boice, Robert (2000). "Chapter 12: Stop" 145-149 <b>(5 pages)</b> "Chapter 13: Work with Balance" 151-156 <b>(6 pages)</b>	53                <b>11</b>



	<b>Week</b>	<b>Topic</b>	<b>Readings</b>	<b>Pgs.</b>
11	July 24-30	7. Enhancement and Equality	Archer, Alfred (2016). "Moral Enhancement and Those Left Behind," <b>(11 pgs.)</b> Sparrow, Robert (2012). "Human enhancement and sexual dimorphism," <b>(11 pgs.)</b> Zohny, Hazem (2016). "Enhancement, disability and the riddle of the relevant circumstances," <b>(5 pgs.)</b> <b>Time Management &amp; Large Projects</b> Silvia, Paul (2007). "Chapter 3: Motivational Tools" 29-47 <b>(16 pgs.)</b>	27     <b>16</b>
	July 31-August 10		Paper writing time	
			<b>Total Pages of Content</b>	545
			<b>Total Pages on Writing</b>	185
			Total Pages	<b>730</b>

## ARE Topics

1. Introduction to Ethics of Enhancement
  - a. *Introduction to the Debates*
  - b. *Perfection and Human Nature*
  - c. *Rethinking Enhancement*
2. The Treatment-Enhancement Distinction
  - a. *Introduction*
  - b. *Enhancement and Normal Function*
3. Cognitive Enhancement
  - a. *Introduction*
  - b. *Enhancement, Phenomenology, Epistemology, and Theories of Mind*
4. Moral Enhancement
5. Non-Eurocentric Views on Enhancement
6. Enhancement in Sports
  - a. *Introduction*
  - b. *Enhancement and Equality in Sports*
7. Enhancement and Equality

## Full Bibliography for Readings by Topic

### 1. Introduction to Ethics of Enhancement

#### a. Introduction to the Debates

Juengst, Eric (1998). "What Does Enhancement Mean?" in *Enhancing Human Traits: Ethical and Social Implications*. Erik Parens, ed. Washington, DC: Georgetown University Press: 29-47. **Available at Ryerson Library 10th Floor RA418.5.M4 E54 1998 (19 pages)**

Giubilini, Alberto & Sanyal, Sagar (2015). "The Ethics of Human Enhancement," *Philosophy Compass* 10(4):233-243. **(11 pages)**

Koch, Tom (2010). "Enhancing Who? Enhancing What? Ethics, Bioethics, and Transhumanism," *Journal of Medicine and Philosophy*. 35: 685-699. **(15 pages)**

Bostrom, Nick (2005a). "In Defense of Posthuman Dignity," *Bioethics*. 19: 202-214. **(13 pages)**

Giubilini, Alberto (2015). "Don't mind the gap: intuitions, emotions, and reasons in the enhancement debate," *Hastings Center Report* 45(5):39-47. **(9 pages)**

Quilter, John G. (2016). "The new enhancement technologies and the place of vulnerability in our lives," *Theoretical Medicine and Bioethics* 37 (1):9-27. **(19 pages)**

Elliott, Carl (2011). "Enhancement Technologies and the Modern Self," *Journal of Medicine and Philosophy*. 36: 364-374. **(11 pages)**

### **b. Perfection and Human Nature in Enhancement Debates**

Sandel, Michael (2004). "The Case Against Perfection: What's wrong with designer children, bionic athletes, and genetic engineering," *The Atlantic* (April):1–11. **(21 pages)**.

Kamm, Frances M. (2005). "Is there a problem with enhancement?" *American Journal of Bioethics* 5 (3):5 – 14. **(10 pages)**

Buchanan, Allen (2009). "Human Nature and Enhancement," *Bioethics*. 23 (3):141-150. **(10 pages)**

Roduit, Johann A. R., Jan-Christoph Heilinger & Holger Baumann (2015). "Ideas of Perfection and the Ethics of Human Enhancement," *Bioethics* 29 (9):622-630. **(9 pages)**

Kahane, Guy (2011). "Mastery Without Mystery: Why there is no Promethean Sin in Enhancement," *Journal of Applied Philosophy* 28 (4):355-368. **(14 pages)**

### **c. Rethinking Enhancement**

Baylis, Françoise and Jason Scott Robert (2004). "The Inevitability of Genetic Enhancement Technologies," *Bioethics*. 18(1): 1-26. **(26 pages)**

Oliver, Kelly (2010). "Enhancing Evolution: Whose Body? Whose Choice?" *Southern Journal of Philosophy*. 48, Spindel supplement (September): 74-96. **(22 pages)**

Bostrom, Nick (2005b). "The Fable of the Dragon-Tyrant," *Journal of Medical Ethics*. 31 (5): 273-277. **(4 pages)**

Hall, Melinda (2016). "Chapter 3: Rethinking Enhancement," in *The Bioethics of Enhancement: Transhumanism, Disability, and Biopolitics*. Lanham: Lexington books. **E-book through Ryerson Library [RA418.5.M4 H35 2017eb](#) (28 pages)**

Sparrow, Robert (2011). "The Not-So-New Eugenics: Harris and Savulescu on Human Enhancement," *The Hastings Center Report*. (January-February): 32-42. **(11 pages)**

## **2. The Treatment-Enhancement Distinction**

### **a. Introduction**

Resnik, David B. (2000). "The Moral Significance of the Therapy-Enhancement Distinction in Human Genetics," *Cambridge Quarterly of Healthcare Ethics*. 9 (3):365-377. **(13 pages)**

### **b. Enhancement and Normal Function**

Daniels, Norman (2000). "Normal Functioning and the Treatment-Enhancement Distinction," *Cambridge Quarterly of Healthcare Ethics*. 9 (3):309--322. **(14 pages)**

Amundson, Ron (2000). "Against Normal Function," *Studies in History, Philosophy, Biology, and Biomedical Science*. 31 (1): 33-53. **(21 pages)**

Holtug, Nils (2011). "Equality and the treatment-enhancement distinction," *Bioethics* 25 (3):137-144. **(8 pages)**

### **3. Cognitive Enhancement**

#### **a. Introduction to the Ethics of Cognitive Enhancement**

Ferrari, Arianna; Coenen, Christopher & Grunwald, Armin (2012). "Visions and Ethics in Current Discourse on Human Enhancement," *NanoEthics*. 6 (3):215-229. **(15 pages)**

Radoilska, Lubomira (2010). "An Aristotelian approach to cognitive enhancement," *Journal of Value Inquiry*. 44 (3):365–375. **(10 pages)**

Cacic, Vince (2009). "Smart Drugs for Cognitive Enhancement: Ethical and Pragmatic Considerations in the Era of Cosmetic Neurology," *Journal of Medical Ethics*. 35(10): 611-615. **(5 pages)**

Zohny, Hazem (2015) "The Myth of Cognitive Enhancement Drugs," *Neuroethics*. 8 (3):257-269. **(13 pages)**

#### **b. Cognitive Enhancement, Phenomenology, Epistemology and Theories of Mind**

Carter, J. Adam & Duncan Pritchard (2016). "The Epistemology of Cognitive Enhancement," *Journal of Medicine and Philosophy*. 1-24. **(17 pages)**

Walsh, Philip J. (2017). "Cognitive Extension, Enhancement, and the Phenomenology of Thinking," *Phenomenology and the Cognitive Sciences*. 16 (1):33-51. **(18 pages)**

Keller, Johannes (2005). "In Genes We Trust: The Biological Component of Psychological Essentialism and Its Relationship to Mechanisms of Motivated Social Cognition," *Journal of Personality and Social Psychology*. 88 (4): 686-702. **(16 pages)**

### **4. Moral Enhancement**

Raus, Kasper; Farah Focquaert, Maartje Schermer, Jona Specker & Sigrid Sterckx (2014). "On Defining Moral Enhancement: A Clarificatory Taxonomy," *Neuroethics*. 7 (3):263-273. **(10 pages)**

Harris, John (2011). "Moral Enhancement and Freedom," *Bioethics*. 25 (2):102-111. **(9 pages)**

Persson, Ingmar & Julian Savulescu (2013). "Getting Moral Enhancement Right: The Desirability of Moral Bioenhancement," *Bioethics*. 27 (3):124-131. **(7 pages)**

### **5. Non-Eurocentric Views on Enhancement**

Macer, Darryl (2012). "Ethical Consequences of the Positive Views of Enhancement in Asia," *Health Care Analysis* 20 (4):385-397. **(13 pages)**

Fan, Ruiping (2010). "A Confucian reflection on genetic enhancement," *American Journal of Bioethics* 10 (4):62 – 70. **(9 pages)**

Fenton, Andrew (2009). "Buddhism and neuroethics: The ethics of pharmaceutical cognitive enhancement," *Developing World Bioethics* 9 (2):47-56. **(10 pages)**



## 6. Enhancement in Sports

### Introduction to Enhancement in Sports

Savulescu, Julian, Bennett Foddy & M. Clayton (2004). "Why We Should Allow Performance Enhancing Drugs in Sport," *British Journal of Sports Medicine*. 38: 666-670. **(4 pages)**

Schermer, M. (2008). "On the Argument That Enhancement is "Cheating"" *Journal of Medical Ethics*. 34 (2): 85-88. **(3 pages)**

### Enhancement and Equality in Sports

Tamburrini, Claudio and Torbjörn Tännsjö (2005). "The Genetic Design of a New Amazon" in Claudio Tamburrini and Torbjörn Tännsjö (eds.) *Genetic Technology and Sport: Ethical Questions*. (New York: Routledge, 2005), 181-198. **(17 pages)**

Sherwin, Susan and Meredith Schwartz (2005). "Resisting the Emergence of Bio-Amazons" in Claudio Tamburrini and Torbjörn Tännsjö (eds.) *Genetic Technology and Sport: Ethical Questions*. (New York: Routledge, 2005), 199-204. **(6 pages)**

Parker, Lisa S. (2012). "In Sport and Social Justice, Is Genetic Enhancement a Game Changer?" *Health Care Analysis* 20 (4):328-346. **(18 pages)**

## 7. Enhancement and Equality

Archer, Alfred (2016). "Moral Enhancement and Those Left Behind," *Bioethics* 30 (7): 500-510. **(11 pages)**

Sparrow, Robert (2012). "Human enhancement and sexual dimorphism," *Bioethics*. 26 (9):464-475. **(11 pages)**

Zohny, Hazem (2016). "Enhancement, disability and the riddle of the relevant circumstances," *Journal of Medical Ethics*. 42(9): 605-610. **(5 pages)**

## Bibliography for Resource on Writing Well and Managing Time

### 1. Writing Well

Williams, Joseph (1990). *Style: Toward Clarity and Grace*. Chicago: University of Chicago Press.

"Chapter 2: Clarity" 17-43. **(26 pages)**

"Chapter 3: Cohesion" 45-65. **(20 pages)**

"Chapter 7: Concision" 115-133 **(18 pages)**

"Chapter 10: Usage" 169-198 **(30 pages)**

Purdue Online Writing Lab (OWL). <https://owl.english.purdue.edu/owl/section/1/2/>

"Conciseness" <https://owl.english.purdue.edu/owl/resource/572/1/>

"Eliminating Words" <https://owl.english.purdue.edu/owl/resource/572/02/>

"Changing Phrases" <https://owl.english.purdue.edu/owl/resource/572/03/>

“Avoiding Common Pitfalls” <https://owl.english.purdue.edu/owl/resource/572/04/>

“Paramedic Method” <https://owl.english.purdue.edu/owl/resource/635/1/>

## 2. Time Management and Large Projects

Boice, Robert (2000). *Advice for New Faculty Members: Nihil Nimus (Nothing in Excess)*. Toronto: Allyn and Bacon. at Ryerson library 8<sup>th</sup> floor Call # LB1778.2 .B63 2000

“Introduction to Section 2: Write in Mindful Ways” 103-114 **(11 pages)**

“Chapter 9: Wait” 115-122 **(8 pages)**

“Chapter 10: Begin Writing Early (Before Feeling Ready)” 123-136 **(12 pages)**

“Chapter 11: Work With Constancy and Moderation” 137-144 **(8 pages)**

“Chapter 12: Stop” 145-149 **(5 pages)**

“Chapter 13: Work with Balance” 151-156 **(6 pages)**

“Chapter 14: Let Go of Negative Thoughts” 157-164 **(8 pages)** *Recommended*

“Chapter 15: Moderate Emotions” 165-176 **(12 pages)** *Recommended*

“Chapter 16: Moderate Attachments” 177-181 **(5 pages)** *Recommended*

“Chapter 17: Let Others Do Some of the Work” 183- 186 **(4 pages)**

“Chapter 18: Limit Wasted Effort” 187-191 **(5 pages)**

“Section II: Summary and Extension of the Mindful Ways of Writing” 192-202 **(11 pages)**.

Shotwell, Alexis (2014). *Suffering-Free Academic Writing: A “practical strategies” workshop*.

<https://alexishotwell.com/writing-workshops-academic-activist/>

“Taking an Attitude Toward Your Writing and Resisting Imposter Syndrome”

<https://www.youtube.com/watch?v=cRFsuNczljk> **(49 minutes)**

“Time And Guilt Management Strategy and “Units,” The Best Writing Tool I Know”

[https://www.youtube.com/watch?v=FLXyA2C\\_CG](https://www.youtube.com/watch?v=FLXyA2C_CG) **(60 minutes)**

“Specific Tactics For Working With Writing, Including A Memo Plan For Guiding Supervisors Toward Useful Feedback” <https://www.youtube.com/watch?v=x9QjJvrY-00> **(38 minutes)**

Silvia, Paul (2007). *How to Write a Lot: A Practical Guide to Productive Academic Writing*. Washington, DC: American Psychological Association.

“Chapter 3: Motivational Tools” 29-47 **(16 pages)**