

# SYLLABUS

## PSYC420: PERCEPTION, INFERENCE, INTELLIGENCE --- WINTER 2016

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### COURSE OBJECTIVES

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What a! " # \$!%" a&% ' t th# " %)\* a(%! ' \* ' +, What a! " # \$!%" a&% ' t %' (+#)-#+, What .+ .! t#))./#! #, Ca! a! .Oa)+  
%(1)a! t+ &# .! t#))./#! t, 2%" a&% ' t Oa h.! #+, Ca! .! t#))./#! # &# \*#+. /! #\* 3(%O + (at h % ( \*%#+. t ha-# t% &#)#a(! #\*,

th# 7#)\* %3 EO&%\* .#\* C%/! .4%! 8

### CONTACT INFORMATION

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Instructor: Dr. Niko Troje

R%O: 2' O1h(#5 2a) RO8 <44

Ph%! #: 1 -61<> ?<<-601@

#-Oa.): t(%A#B6' ##! +' 8 a

OC # h%' (+: F(\*a5+ 10:00 D 11:<0

### TEXTBOOK

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Rolf Pfeifer and Josh Bongard, How the Body Shapes the Way we Think? (MIT Press, //''#

Th# aO1' + &%%\$+t% (# ha+ th# &%%\$ .! +t% \$8 E-#(5%! # .! )a++ +h%' )\* %' ! a %158

Th# &%%\$ .+ ! %t (#a)5 a t#Gt&%%\$8 It .+ a O%! %/(a1h %! th# . \*#a %3 EO&%\* .#\* ! t#))./#! #8 It a11(%a h#+ th# ! at' (# %3  
.! t#))./#! # 3(%O a -.#" 1%.! t " h. h.+ ' ! ' + a) 3%(a P+5 h%)%/.+t8 It t(.#+ t% %O# ' 1 " .th a \*#7! .4%! %3 .! t#))./#! # that  
\*%#+ ! %t (#6' .(# .! t(%+1# 4%! a! \* t(.#+ t% a&+t(a t a+ O' h a+ 1%+&.)# 3(%O a h' Oa! -+1# .7 -.#" 1%.! t8 l th#!  
a9#O1t+ t% 3%(O')at# H\*#+. /! 1(.! .1)#+! : What a(# th# .! /(#\* .#! t+ that a(# (#6' .(#\* t% /#! # (at# .! t#))./#! # D ! %t A' +t  
.! h' Oa! +, &' t .! th! /+ .! /#! # (a)8 Th# a' th% (+ a(/ # that %!)5 th! /+ that a! 1h5+. a)5 .! t#(a t " .th th#.(  
#! -. (%! O#! t a! \*#-#)%1 .! t#))./#! #8

W# \*%! Jt ha-# t% a\*%1t th# a' th%(+ %! )' +.%! + at th# #! \*8 B' t " # " .))' +# th# t#Gt t% \*.+ ' ++! %4%! + + ' h a+  
\$! %" )#\* /ãW350AIYISLIAY

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a(# (#+1%! +.&)# 3%( a  
+#O.! a( ta)\$ a! \* a 3%)%" .! / \* .+ ' ++.%! 8 Th#5 " .) )&# a++ .+ t#\* &5 t" % Readers, " h% #a h+ 1(%-.\*# a H(#a\* .! / (#+1%! +#  
1a1#(l, a! \* th# (#+t %3 th# )a++ , th# Commenters, " h% 1(%-.\*# a\*\* .4%! a) th%' /ht+8 E-#(5 +t' \*#! t +#(-#+ at)#a+t %! #  
a+ P(#++! t#(, %! # a+ R#a\*#( a! \* th# (#+t %3 th# 4O# a+ C%OO#! t#(8

READING RESPONSE PAPER

Readers " ) (#a\* th# ha1t#( a(#3' ))5 a! \* 1%+t a H(#a\* .! / (#+1%! +# 1a1#(l 4L h%' (+ &#3%(# )a++ =deadline Mondays at 3:30 pm>8 B%th (#a\*#(+ \*% that .! \*#1#! \*#! t)5 3(%O #a h %th#(8 Th# 1a1#(+h%' ) \* &# !%)%! /#( tha! 2000 " %(\*+8 Th# 1a1#(+h%' ) \* +ta(t " .th a +h%(t +' OOa(5 a! \* th#! O%-# %! t% a O%(# +1# .7 t%1. %3 5%' ( h%. #8 EGaO1)#+ a(#:

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.! )a++8 lt +##O+ t% Oa\$# +#! +#, th%' /h, that %! # 1#(+%! \*#).-#(+ th# 1(#+#! ta4%! a! \* th# %th#( 1#(+%! %(/a! ..#+ a! \* Oa! a/#+ th# \*.+ ' ++.%! 8

Th# 1(#+#! ta4%! +h%')\* %!+.+t %3 t" % 1a(t+ A %O1(#h#!+.-#+' OOa(5 %3 th# ha1t#( a! \* a (#M#G.%! %! .t+ %! t#! t+8 Th# \*.+ ' ++.%! (#6' .(#+ a(#3') 1(#1a(a4%! , t%%, a! \* +h%')\* a\*\*(#++ th# R#a\*./ R#+1%! +# Pa1#(+ a! \* th# C%OO#! t+:

S' OOa(5 %3 th# %! t#! t+

- What .+ th# O%4-a4! / 6' #+4%! %3 th# ha1t#(,
- What .+ .t+ Oa! ta\$# h%O# O#++a/#,
- What a(# th# Oa! %! #1t+ a! \* t#(O+ that " # !##\* t% ' ! \*#(+ta! \*,
- What .+ th# ha1t#(J+ (%)# .! th# )a(/#( %! t#Gt %3 th# &%%\$,

Y%' (%'' ! ta\$#

- I+ th#(# a! 5th.! / that \*. \* ! %t +##O t% Oa\$# +#! +# t% 5% ' ,
- I+ th#(# a! 5th.! / that 5%' 3%' ! \* 1a(4 ' )a(5 +' (1(+.! / , #5#-%1#! .! / , %(%th#(" .+ # " %(th t% O#! 4%! ,
- What \*. \* th# ha1t#( %! t(&' t# t% 5%' ( ' ! \*#(+ta! \*! / %3 H.! t#))./#! #I,

K.+ ' ++.%!

- P(#1a(# a ! ' O&#(%3 6' #+4%! + t% +ta(t a! \* th#! /' . \*# th# \*.+ ' ++.%! 8
- I! -%)-# th# R#a\*#(+ .! th# \*.+ ' ++.%! &5 %OO#! 4! / %! th#.( 1a1#( a! \* a+\$.! / th#O 6' #+4%! +8
- U+# th# (#1).#+ a! \* %OO#! t+ %3 th# C%OO#! t#(+8 F##) 3(## t% a\*\*(#++ 1a(4 ' )a(+t' \*#! t+ a&% ' t th#.( 1a(4 ' )a( #1).#+, 6' #+4%! +, a! \* %OO#! t+8

### FINAL EEA; INATION

Th# 7! a) #GaO " .)) %!+.+t %3 a ! ' O&#(%3 /#! #)(a) 6' #+4%! + that " .)) &# a! +' #(#\* .! #++a5 3%(O8 K' (a4%! %3 th# #GaO " .)) &# a! h%' (8

### EVALUATION

Reading Response Paper =2?O>: Th# 6' a).t5 %3 th# R#a\*./ R#+1%! +# Pa1#( " .)) &# / (a\*\* &%th .! t#(O %3 5%' ( ' ! \*#(+ta! \*! / %3 th# ha1t#( a! \* th# 6' a).t5, (#a4-.t5, a! \* + h%)a(+h.1 %3 5%' ( %! t(&' 4%! + t% .t8

Comments and contribution to Discussion =2?O>: B%th th# 6' a).t5 %3 5%' ( %OO#! t+ a! \* 5%' ( %! t(&' 4%! + t% th# \*.+ ' ++.%! /% .! t% th.+ Oa(\$8

Presentat on & Discussion =2?O>

Final !am =2?O>

"ddi tional #onus \$arks at O5 \*.+ (#4%! =#8/8 5%' 7! \* th.+ ! #", %) (#+##( h 1a1#( a! \* +' OOa(:.# .t \*' (! / !! - )a++ \*.+ ' ++.%! >P %ubtract on %3 1O 3%( #a h O.++#\* )a++8

Th# \*.O#(#! t a++./! O#! t+ " .)) &# Oa(\$#\* ' +. / ! ' O#(. a) 1#( #! ta/# Oa(\$+8 Th# 7! a) %' (+# a-#(a/# " .)) th#! &#

; ISSEK OR LATE ASSIGN; ENTS

Th# 3%(Oat# %3 th# %' (+# (#6' .(#+ 5%' t% + '&O.t a++./! O#! t a %(\*.!/ t% + h#\*')#8 Th# %th#( +t' \*#! t+ .! )a++ (#)5 %!  
5%' ( 4O#)5 %! t.&' 4%! +8 !! /#! # (a), " %(\$ that .+ !%t ha! \*#\* .! %! 4O# " .)) (# #-# a Oa(\$ %3 :#(%8

Th.! /+ ha11#! , th%' /h8 P)#a+# +## th# .! +t(' t%( AS SOON AS POSSIBLE .3 5%' a(#' ! a&)# t% %O1)#t# " %(\$ +% that " #  
a! ta)\$ a&% t .t8 l3 5%' &(! / -a). \* \*% ' O#! ta4%! 3(%O a h#a)th 1(%3#++.! a), 3' ! # (a) h%O#, %a h %3 +1%(t+ t#aO, #t 8  
" # a! a\*\* th# 1#( #! ta/# %3 a O.++##\* a++./! O#! t t% th# (#Oa.! ! / %! #+8

RERUEST FOR ACAKE; IC ACCO; ; OKATION

R' ##! J+ U! .-#(+.t5 .+ %OO.9##\* t% a h.-! / 3') a #++.&).t5 3%( 1#(+%! + " .th \*.+a&).4#+8 Pa(t %3 th.+ %OO.tO#! t  
.!) \*' ##+ a((a! /! / a a\*#O. a %OO%\*a4%! + 3%(+t' \*#! t+ " .th \*.+a&).4#+ t% #! +' (# th#5 ha-# a! #6' .ta&)#  
%11%(t' ! t5 t% 1a(4 .1at# .! a)) %3 th#.(a a\*#O. a 4-.4#+8 l3 5%' a(# a+t' \*#! t " .th a \*.+a&).t5 a! \* th.! \$ 5%' Oa5 ! ##\*  
a %OO%\*a4%! +, 5%' a(# +t(%! /)5 #! %' (a/#\* t% %! ta t St' \*#! t W#)! ##+ S#(-. #+ =SWS> a! \* (#/.+t#( a+ #a)5 a+  
1%++.&#8 F%( O%(# ! 3%(Oa4%!, ! ) ) \* .! / .O1%(ta! t \*#a\*).! #+, 1)#a+# -.t th# St' \*#! t W#)! ##+ " #&.t# at:  
h91:WW" " " 86' ##! +' 8 aW+t' \*#! t" #)! ##+Wa #++.&).t5-+(-. #+W

LOCATION ANK TI; ING OF FINAL EEA; INATIONS

A+ !%t#\* .! A a\*#O. R#/' )a4%! L8281, Hth# 7! a) #GaO.! a4%! .! a! 5 )a++ %Q#(#\* .! a t#(O%( +##+.%! =!) ' \*! /  
S' OO#( T#(O> O' +t &# " (9#! %! th# aO1' +%! " h. h .t " a+ ta\$#! , at th# #! \* %3 th# a11(%1(.at# t#(O%( +##+.%! at  
th# 4O# + h#\*')#\* &5 th# EGaO.! a4%! + OC #8l

Th# #GaO 1#(.%\* .+).+t#\* .! th# \$#5 \*at#+ 1.(% (t% th# +ta(t %3 th# a a\*#O. 5#a( ! th# Fa ' )t5 %3 A(t+ a! \* S .#! #  
A a\*#O. Ca)#! \*a(a! \* %! th# OC # %3 th# U! .-#(+.t5 R#/.+t(a\$+ " #&1a/#8 A \*#ta.)#\* #GaO + h#\*')# 3%( th# W.! t#(  
T#(O .+ 1%+t#\* th# F(\*a5 &#3%(# R#a\* .! / W#)#\$8 St' \*#! t+ +h#') \* \*#a5 7! a):.! / a! 5 t(a-#) 1)a! + ' ! 4) aX#( th#  
#GaO.! a4%! + h#\*')# ha+ &##! 1%+t#\*8 EGaO+ " .)) !%t &# O%-#\* %(\*#3#((#\* t% a %OO%\*at# #O1)%5O#! t, t(a-#)  
Wh%).\*a5 1)a! + % (M./ht (#+(-a4%! +8

ACAKE; IC INTEGRITY

A a\*#O. .! t#/(.t5 .+ %! +4t' t#\* &5 th# 7-# %(#3' ! \*aO#! ta) -a)' #+ %3 h%! #+t5, t(' +t, 3a.(! #++ , (#+1# t a! \*  
(#+1%! +.&).t5 =## h91:WW" " " 8a a\*#O. .! t#/(.t58%(>8 Th#++ -a)' #+ a(# #! t(a) t% th# &' .)\*.!/ , !' (t' (.! / a! \* + ' ta.! ! /  
%3 a! a a\*#O. %OO' ! .t5 .! " h. h a)) O#O&#(+%3 th# %OO' ! .t5 " .)) th(-#8 A\*h#(#! # t% th# -a)' #+ #G1(#+##\*  
th(%' /h a a\*#O. .! t#/(.t5 3%(O+ a 3%' ! \*a4%! 3%( th# Y3(##\*%O %3 ! 6' .(5 a! \* #G ha! /# %3 .\*#a+Y #++#! 4a) t% th#  
.! t#)# t' a) .3# %3 th# U! .-#(+.t5 =## th# S#! at# R#1%(t %! P(.! .1)#+ a! \* P.(.4#+ at  
h91:WW" " " 86' ##! +' 8 aW+# (#ta(.atW1%). #+W+#! at#a! \*t(' +t##+W1(.! .1)#+1.(%.4#+8htO)>8

St' \*#! t+ a(# (#+1%! +.&) # 3%(3aO).a(.: ! / th#O+#)-#+ " .th th# (#/' )a4%! + %! #(!.!/ a a\*#O. .! t#/(.t5 a! \* 3%(  
#! +' (! / that th#.(a++./! O#! t+ %! 3%(O t% th# 1(! .1)#+ %3 a a\*#O. .! t#/(.t58 !! 3%(Oa4%! %! a a\*#O. .! t#/(.t5 .+  
a-a)a&)# .! th# A(t+ a! \* S .#! # Ca)#! \*a(=## A a\*#O. R#/' )a4%! 1 h91:WW" " " 86' ##! +' 8 aWa(t+ .Wa a\*#O. -  
a)#! \*a(+W2011-2012- a)#! \*a(Wa a\*#O. - (#/' )a4%! +W(#/' )a4%! -1>, %! th# A(t+ a! \* S .#! # " #&.t# =##  
h91:WW" " " 86' ##! +' 8 aWa(t+ .Wa a\*#O. +W' ! #/(a\* at#Wa a\*#O. -! t#/(.t5>, a! \* 3%(O th# .! +t(' t%( %3 th.+ %' (+#8  
K#1a(t' (#+ 3(%O a a\*#O. .! t#/(.t5 ! )' \*# 1)a/.a(+O, ' +# %3' ! a' th#(:#\* Oat#(.a)+, 3a .).ta4%! , 3%/(#(5 a! \*  
3a)+.7 a4%! , a! \* a(# a! 4th#4 a) t% th# \*#-#)%1O#! t %3 a! a a\*#O. %OO' ! .t5 at R' ##! J+8 G.-#! th# +#(.%' +! #++ %3  
th#++ Oa9#(+, a 4%! + " h. h %! t(a-#! # th# (#/' )a4%! %! a a\*#O. .! t#/(.t5 a((5+a! 4%! + that a! (a! /# 3(%O a  
" a(!.!/ % (th#)%++ %3 / (a\*#+ %! a! a++./! O#! t t% th# 3a.)' (# %3 a %' (+# t% a (#6' .(#O#! t t% " .th\*(a" 3(%O th#  
' ! .-#(+.t58

COPYRIG2T OF COURSE ; ATERIALS

Th.+ Oat#(a) .+ %15(./ht#\* a! \* .+ 3%( th# +%)# ' +# %3 +t' \*#! t+ (#/.+t#(#\* .! PSYC 4208 Th.+ Oat#(a) +ha) ! %t &#  
\*.+t(&' t#\* % (\* .++#O.! at#\* t% a! 5%! # %th#( tha! +t' \*#! t+ (#/.+t#(#\* .! th.+ %' (+#8 Fa.)' (# t% a&.\*# &5 th#++ %! \*.4%! +

