



**SOUTH DAKOTA BOARD OF REGENTS  
ACADEMIC AFFAIRS FORMS**

**Substantive Program Modification Form**

<b>UNIVERSITY:</b>	<b>University of South Dakota</b>
<b>CURRENT PROGRAM TITLE:</b>	<b>Psychology, Human Factors Specialization, Ph.D</b>
<b>CIP CODE:</b>	<b>42.2701</b>
<b>UNIVERSITY DEPARTMENT:</b>	<b>Psychology</b>
<b>UNIVERSITY DIVISION:</b>	<b>Arts &amp; Sciences</b>

**University Approval**

*To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.*

*Elizabeth M. Freeburg*

*3/15/2018*

\_\_\_\_\_  
Vice President of Academic Affairs or  
President of the University

\_\_\_\_\_  
Date

**1. This modification addresses a change in:**

- |   |  |
|---|--|
| <input type="checkbox"/> Total credits required within the discipline | <input type="checkbox"/> Total credits of supportive course work |
| <input type="checkbox"/> Total credits of elective course work        | <input type="checkbox"/> Total credits required for program      |
| <input type="checkbox"/> Program name                                 | <input checked="" type="checkbox"/> Existing specialization      |
| <input type="checkbox"/> CIP Code                                     | <input type="checkbox"/> Other (explain below)                   |

**2. Effective date of change (enter catalog year):** \_\_\_\_\_

**3. Program Degree Level (place an "X" in the appropriate box):**

Associate  Bachelor's  Master's  Doctoral

**4. Category:**

Certificate  Specialization  Minor  Major

**5. If a name change is proposed, the change will occur (place an "X" in the appropriate box):**

- On the effective date for all students
- On the effective date for students new to the program (enrolled students will graduate from existing program)

**Proposed new name:** \_\_\_\_\_

*Reminder: Name changes may require updating related articulation agreements, site approvals, etc.*

**6. Primary Aspects of the Modification (add lines or adjust cell size as needed):**

*Existing Curriculum*

*Proposed Curriculum (highlight changes)*

Pref.	Num.	Title	Cr. Hrs.	Pref.	Num.	Title	Cr. Hrs.
<b>Master's coursework, including thesis</b>			30	<b>Psychology required core coursework</b>			
				PSYC	771	Stats/Methods I	3
				PSYC	772	Stats/Methods II	3
				PSYC	711	Sem: Physiological Psychology	1
				PSYC	722	Sem: Developmental Psychology	1
				PSYC	741	Sem: Social Psychology	1
				PSYC	764	Sem: Personality Theories	1
				PSYC	711	Sem: Physiological Psychology	1
				PSYC	798	Thesis*	6
				PSYC	898	Dissertation	15
<b>Human Factors core coursework</b>			18	<b>Human Factors core coursework</b>			
PSYC	533	Psychology of Human Performance	3	PSYC	533	Psychology of Human Performance	3
PSYC	536	Human Engineering	3	PSYC	536	Human Engineering	3
PSYC	705	Seminar in Learning & Memory	3	PSYC	705	Seminar in Learning & Memory	3
				PSYC	707	Seminar in Sens & Perc	3
PSYC	733	Human Factors Psychology	3	PSYC	733	Human Factors Psychology	3
PSYC	770	Experimental Methods and Instrumentation	3	PSYC	770	Experimental Methods and Instrumentation	3
				PSYC	737	Seminar in Human Factors	4
PSYC	775	Multivariate Statistics	3	PSYC	775	Multivariate Statistics	3
<b>Dissertation</b>			15+	<b>Area 1 (human capabilities – minimum 6 cr)</b>			
PSYC	898	Dissertation	15	PSYC	506	Cognitive Psychology	3
				PSYC	508	Psycholinguistics	3
				PSYC	511	Physiological Psychology	3
				PSYC	537	Decision Making & Risk Management	3
				PSYC	738	Sem in Human Information Processing: Mental Workload	3
				PSYC	530	Organizational Psychology	3
<b>Electives*</b>			21	<b>Area 2 (HF methods – minimum 3 cr)</b>			
PSYC	506	Cognitive Psychology	3	PSYC	792	Computational Psych	3
PSYC	508	Psycholinguistics	3	PSYC	742	Usability Testing	3
PSYC	509	History & Systems of Psychology	3				
PSYC	511	Physiological Psychology	3	<b>Area 3 (HF applications – minimum 9 cr)</b>			
PSYC	514	Drug and Behavior	3	PSYC	523	Research in Aging	3
PSYC	523	Research in Aging	3	PSYC	531	Industrial Psychology	3
PSYC	530	Organizational Psychology	3	PSYC	535	Human Computer Interaction	3
PSYC	531	Industrial Psychology	3	PSYC	538	Psychoacoustics	3
PSYC	534	Artificial Intelligence	3	PSYC	539	Psychology of Safety	3
PSYC	535	Human Factors in Computer Systems	3				
PSYC	537	Decision Making & Risk Management	3	<b>Electives (may be from any of the above areas or below listed coursework – 9 cr)</b>			
PSYC	538	Psychoacoustics	3	PSYC	509	History & Systems of Psychology	3
PSYC	539	Psychology of Safety	3	PSYC	513	Evolutionary Psychology	3
PSYC	708	Seminar: Advanced History & Systems of Psychology	1	PSYC	514	Drug and Behavior	3
PSYC	709	Teaching of Psychology	1				

PSYC	737	Seminar in Human Factors Psychology	3	PSYC	534	Artificial Intelligence	3
PSYC	738	Seminar in Human Information Processing	1 - 3	PSYC	708	Seminar: Advanced History & Systems of Psychology	3
PSYC	740	Usability Testing	3	PSYC	709	Teaching of Psychology	3
PSYC	776	Human Factors Practicum	1 - 9	PSYC	776	Human Factors Practicum	3
PSYC	791	Independent Study	1 - 3	PSYC	791	Independent Study	3
PSYC	792	Special Topics	1 - 3	PSYC	792	Special Topics	3
*Students may not repeat as electives courses already taken in the master's program.				*Students may not repeat as electives courses already taken in the master's program. *Transfer students with a completed master's thesis but less than 6 cr of thesis work may count additional electives toward 84 hours.			
<b>Total number of hours required for specialization</b>			18				36**
<b>Total number of hours required for degree</b>			84				84

## 7. Explanation of the Change:

This change aligns the program requirements with the Human Factors and Ergonomics Society (HFES) recommendation for graduate programs in human factors. Specifying the MA required coursework, including the thesis, does not represent a change from current practice. This modification clarifies how transfer courses will be credited toward the PhD program, including the need for a defended MA thesis for students with a non-thesis master's degree.

\*\* what appears to be an increase in the total number of hours for the specialization is actually simply accounting for the 18 hours of specialized credit already included in the existing MA degree.