

## COLLABORATIVE FOR THE APPLIED STUDY OF COGNITION AND LEARNING SCIENCES (CASCLS)

**Note:** Approved by the DPI for use of Title I funds & MSU for 1SH graduate credit

|                    |   | MIND/BRAIN MYTH-BUST<br>Friday, September 14, 2007 S   |  |   |  |  |
|--------------------|---|--|--|---|--|--|
| 8:00-8:30          | REGISTRATION AND CONTINENTAL BREAKFAST: Aleshire Theater foyer, Hartnett Hall   |  |  |   |  |  |
| 8:30-8:45          | WELCOME AND INTRODUCTIONS! Aleshire Theater, Hartnett Hall  Dr. David Fuller, President, Minot State University  Dr. Neil Nordquist, Dean, College of Education and Health Services (CEHS)  |  |  |   |  |  |
| 8:45-9:00          | SEMINAR OVERVIEW: Purpose and Format  Dr. Deb Jensen, Chair, Teacher Education and Human Performance (TEHP)   |  |  |   |  |  |
| 9:00-9:45          | GENERAL SESSION: Mind/Brain 101 and Neural Network Activity  Aleshire Theater, Hartnett Hall  Dr. Deb Jensen, Teacher Education & Human Performance  -A pictorial overview of basic gross (large) and fine (cellular) brain anatomy as a basis for the following sessions, along with an interactive activity illustrating how neurons in the mind/brain receive sensory information and make meaning from those inputs |  |  |   |  |  |
| 9:45-10:00         | TRANSITION TO SESSION STRANDS  Break Items in Aleshire Theater foyer: Hydration, Glucose, Oxygen!   |  |  |   |  |  |
| SESSION<br>STRANDS | PERCEPTION & LITERACY   | PROCESSING & NUMERACY  | EMOTION & INTELLIGENCE   | BIO-CHEMISTRY & MOVEMENT  |  |  |
| 10:00-<br>10:50    | Dyslexia, Exercise Balance-<br>Balls & Colored Overlay,<br>Metigoshe Room,<br>Dr. Lisa Borden-King<br>Teacher Education &<br>Human Performance  | Developmental Levels of Geometric Thought & the Math Curriculum Crane Hall Conference Room Cheryl Nilsen, Dept. of Mathematics | Gender Differences: How important are they? Aleshire Theater Dr. Shirley Cole-Harding, Dept. of Psychology | Fact or fiction: Is the claim too good to be true?  Audubon Room  Dr. Lori Garnes, Chair Dept. of Special Education   |  |  |
| 11:00-<br>11:50    | Dyslexia, Exercise Balance-<br>Balls & Colored Overlay,<br>Metigoshe Room,<br>Dr. Lisa Borden-King<br>Teacher Education &<br>Human Performance  | Developmental Levels of Geometric Thought & the Math Curriculum Crane Hall Conference Room Cheryl Nilsen, Dept. of Mathematics | Gender Differences: How important are they? Aleshire Theater Dr. Shirley Cole-Harding, Dept. of Psychology | Stress & Life-long Learning Audubon Room Dr. Terry Eckmann, Teacher Education & Human Performance                     |  |  |
| 12-12:50           | BUFFET LUNCH: Missouri Room, Conference Center, 3 <sup>rd</sup> Floor Student Union   |  |  |   |  |  |
| 12:50-1:00         | TRANSITION TO GENERAL SESSION at Aleshire Theater, Hartnett Hall  |  |  |   |  |  |
| 1:00-1:50          | GENERAL SESSION: Mind/Brain 102: Aleshire Theater, Hartnett Hall Brett Buican, Ph. D., Neuropsychologist, Trinity Medical Group Introduction by Vicki Michels   |  |  |   |  |  |
| SESSION<br>STRANDS | PERCEPTION & LITERACY   | PROCESSING & NUMERACY  | EMOTION & INTELLIGENCE   | BIO-CHEMISTRY & MOVEMENT  |  |  |
| 2:10-3:00          | The Neurology of Reading Metigoshe Room Dr. Tom Linares, Communication Disorders  | Visual & Kinesthetic Connections with Math Manipulatives Main 104 Dr. Laurie Geller, Dept. of Mathematics                      | Emotion, Reason & Higher-order Thinking Crane Hall Conference Room Dr. Deb Jensen, TEHP                    | Stress & Life-long Learning Audubon Room, CC Dr. Terry Eckmann, Teacher Education & Human Performance                 |  |  |
| 3:00-3:15          | TRANSITION TO/FROM SESSION STRANDS  Break Items in Conference Center Foyer, 3 <sup>rd</sup> floor, Student Union: <i>Hydration, Glucose, Oxygen!</i>  |  |  |   |  |  |
| 3:15-4:05          | The Neurology of Reading Metigoshe Room Dr. Tom Linares, Communication Disorders  | Visual & Kinesthetic<br>Connections with Math<br>Manipulatives, Main 104<br>Dr. Laurie Geller,<br>Dept. of Mathematics         | Emotion, Reason & Higher-order Thinking Crane Hall Conference Room Dr. Deb Jensen, TEHP                    | Fact or fiction: Is the claim too good to be true? Audubon Room, CC Dr. Lori Garnes, Chair Dept. of Special Education |  |  |
| 4:05-4:15          | TRANSITION FROM SESSION STRANDS TO TABLE SESSIONS   |  |  |   |  |  |
| 4:15-4:50          | INTERACTIVE TABLE SESSIONS ON MYTH-BUSTER QUESTIONS  Metigoshe and Audubon Rooms, Conference Center, 3 <sup>rd</sup> Floor Student Union  |  |  |   |  |  |
| 4:50-5:00          | UPDATES FOR SATURDAY  |  |  |   |  |  |
| 5:30-6:30          | MIND/BRAIN MYTH-BUSTERS SOCIAL: Missouri Room, Conference Center, 3 <sup>rd</sup> Floor Student Union Mind/Brain Games! Human Networks! Hydration, Glucose, Oxygen!   |  |  |   |  |  |

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|--------------------|--|--|--|---|--|--|--|
| 8:00-8:30          |  | ENTAL BREAKFAST: Missouri Roon   |  | dent Union  |  |  |  |
| 8:30-9:00          | OPENING SESSION: Metigoshe Room, Conference Center, 3 <sup>rd</sup> Floor Student Union Mind/Brain/Development: Critiquing Research Sources  |  |  |   |  |  |  |
| 9:00-9:45          | GENERAL SESSION: Mind/Brain 103: Metigoshe Room, Conference Center, 3 <sup>rd</sup> Floor Student Union Wendy Haaland, Trinity Medical Group Sleep-It's not just about beauty rest! How sleep patterns affect learning. Introduction by Marie Mohler                     |  |  |   |  |  |  |
| 9:45-10:00         | TRANSITION TO SESSION STRANDS Break Items in Conference Center Foyer: Hydration, Glucose, Oxygen!  |  |  |   |  |  |  |
| SESSION<br>STRANDS | PERCEPTION & LITERACY  | PROCESSING & NUMERACY  | EMOTION & INTELLIGENCE   | BIO-CHEMISTRY & MOVEMENT  |  |  |  |
| 10:00-<br>10:50    | Attention, Perception & Recognition Memorial 114 Dr. Shirley Cole-Harding & Dr. Paul Markel Dept. of Psychology  | 4-MAT for Math Metigoshe Room, CC Mike Arlien & Colleen Hodenfield Minot Public Schools                                | The Power of Play: Play and Cognition Main 104 Dr.Margi Coxwell Teacher Education & Human Performance                          | The Learning Brain: Logistics for Movement and More in Elementary Classrooms Audubon Room, CC Melissa Stanley & Robbie Jo Morgan Minot Public Schools                       |  |  |  |
| 11:00-<br>11:50    | Attention, Perception & Recognition Memorial 114 Dr. Shirley Cole-Harding & Dr. Paul Markel Dept. of Psychology  | 4-MAT for Math Metigoshe Room, CC Mike Arlien & Colleen Hodenfield Minot Public Schools                                | Tickling the Brain: Strategies for Brain-based Learning Main 104 Dr.Margi Coxwell Teacher Education & Human Performance        | The Learning Brain: Logistics for Movement and More in Elementary Classrooms Audubon Room, CC Melissa Stanley & Robbie Jo Morgan Minot Public Schools                       |  |  |  |
|                    | TRANSITION TO TABLE SESSIONS: In Metigoshe and Audubon rooms, Conference Center  |  |  |   |  |  |  |
| 11:50-<br>12:25    | INTERACTIVE TABLE SESSIONS ON MYTH-BUSTER QUESTIONS  Metigoshe and Audubon rooms, Conference Center  Sharing Sources: What are your questions? What would you like to see next from the MSU CASCLS?  What are the best things you have heard, things of your own to add? |  |  |   |  |  |  |
| 12:30-1:25         | BUFFET LUNCH: Missouri Room, Conference Center, 3 <sup>rd</sup> Floor Student Union  |  |  |   |  |  |  |
| SESSION<br>STRANDS | PERCEPTION & LITERACY  | PROCESSING & NUMERACY  | EMOTION & INTELLIGENCE   |   |  |  |  |
| 1:30-2:15          | Taptalk and multiple-<br>sensory instruction<br>in the classroom<br>Memorial 114<br>Dr. Paul Markel<br>Dept. of Psychology   | Mathematics Strategies MSU Graduate Student Research: Metigoshe Room, CC   | Self-regulation for Enhanced<br>Skills in the Classroom<br>Audubon Room, CC<br>Dr. Johnna Westby<br>Dept. of Special Education | A Snickety collection of<br>unrelated events<br>or are they? Main 120/Music<br>Heather Golly, Deb Jensen,<br>TEHP; Avis Veikley, Div. of<br>Music / NW Art Gallery Director |  |  |  |
| 2:15-3:00          | Taptalk and multiple-<br>sensory instruction<br>in the classroom<br>Memorial 114<br>Dr. Paul Markel<br>Dept. of Psychology   | Mathematics Strategies MSU Graduate Student Research: Metigoshe Room, CC   | Self-regulation for Enhanced<br>Skills in the Classroom<br>Audubon Room, CC<br>Dr. Johnna Westby<br>Dept. of Special Education |   |  |  |  |
| 3:00-3:10          | TRANSITION TO/FROM SESSION STRANDS Break Items in Conference Center Foyer: Hydration, Glucose, Oxygen!   |  |  |   |  |  |  |
| 3:10-3:55          | Reading/Language Applied<br>Classroom Research: Dr.<br>Lisa Borden-King TEHP,<br>Lori Olsen, Cyndi Willhelm,<br>& Harrietta Summers, MPS<br>Metigoshe Room, CC   | Sois what you learned about<br>learning in Ed. Psyc. 10++<br>years ago still true?<br>Main 104<br>Dr. Deb Jensen, TEHP | The Traumatized Child Memorial 114 Marie Mohler, Dept. of Nursing & Judith Quill Minot Public Schools                          | Motivation: Yes, you CAN make the horse drink! Audubon Room, CC Becki (Barcomb) Anhorn TEHP   |  |  |  |
| 4:00-4:50          | Reading/Language Applied<br>Classroom Research: Dr.<br>Lisa Borden-King TEHP,<br>Lori Olsen, Cyndi Willhelm,<br>& Harrietta Summers, MPS<br>Metigoshe Room, CC   | Sois what you learned about<br>learning in Ed. Psyc. 10++<br>years ago still true?<br>Main 104<br>Dr. Deb Jensen,TEHP  | The Traumatized Child Memorial 114 Marie Mohler, Dept. of Nursing & Judith Quill Minot Public Schools                          | Motivation: Yes, you CAN make the horse drink! Audubon Room, CC Becki (Barcomb) Anhorn TEHP   |  |  |  |
|                    |  |  | oom) & RECOMMENDATIONS FOR   |   |  |  |  |