

**THE UNIVERSITY OF TEXAS AT AUSTIN  
SCHOOL OF SOCIAL WORK**

<b>Course Number:</b>	SW393R22	<b>Instructor:</b>	Arlene Montgomery, Ph.D. LCSW
<b>Unique Number:</b>	64425	<b>E-mail:</b>	<a href="mailto:yerzaborzoi@aol.com">yerzaborzoi@aol.com</a> (not to be used for turning in assignments)
<b>Semester:</b>	Fall 2013	<b>Phone:</b>	Home (512) 480-8086; Office (512) 474-8317
<b>Class Time:</b>	Monday 5:30 p.m. to 8:30 p.m.	<b>Office:</b>	SW 3.104A Adjunct Faculty Office
<b>Meeting Place:</b>	Room 2.130	<b>Office Hours:</b>	By appointment

**NEUROBIOLOGY AND SOCIAL WORK PRACTICE**

I. Course Description

This course will cover selected findings from recent neurobiological research as it elaborates understanding of relationship dynamics with individuals, couples, families, and groups. Although this research is usually found outside the usual discourse of the social and psychological sciences, a body of scientific work useful to social service providers will be reviewed. The support that recent scientific findings provide for aspects of psychological treatment theories and differential diagnosis will be reviewed. This course will focus on using multiple perspectives in the advanced application of neurobiology research to inform clinical intervention, with emphasis placed at the micro and mezzo levels of practice. The framework of the course is based on social work values and the ethical decision-making process, as illuminated by the NASW Code of Ethics. A bio-psycho-social and cultural emphasis will be applied to the various problem areas and disorders covered.

II. Course Objectives

Upon completion of this course, students will demonstrate the ability to:

- a. understand how recent scientific findings guide and inform social service interventions;
- b. critically compare and analyze therapeutic and social service implications of recent scientific findings related to the impact of the relationship experiences on/in the human brain;
- c. evaluate, select, and design a social service intervention which takes into account both the appropriate psychological theory and the scientific research which supports the use of that particular theory
- d. adapt social service intervention methods to activities/programs which are designed to sensitively differentiate the needs of the client/client system as influenced by age, gender, sexual orientation, race, class, ethnic/cultural background, socioeconomic status, physical challenge, and other individual differences.

### III. Teaching Methods

This course is designed to include a variety of teaching methodologies to achieve the expectation of student mastery of the skills involved in the examination of social work practice theory as it is supported by selected scientific findings. Readings, discussion, lecture, experiential exercise, videos, audio CDs, case examples, and presentations are designed to enhance the learning experience.

### IV. Required Texts, Recommended Texts, and Course Materials

#### Required Texts:

Schore, A.N. (2012). *The science of the art of psychotherapy*. New York: W.W. Norton & Co.

Montgomery, A. (2013). *Neurobiology essentials for clinicians: What every therapist needs to know*. New York: W.W. Norton & Co.

#### Suggested Texts:

Cassidy, J. & Shaver, P., (Eds.). (2008). *Handbook of attachment: Theory, research, and clinical applications*. New York: The Guilford Press.  
(Second edition: available in paperback)

Applegate, J. & Shapiro, J. (2005) *Neurobiology for clinical social work: Theory and practice*. New York: W.W. Norton & Co.

Cozolino, L. (2002) *The neuroscience of psychotherapy: Building and rebuilding the human brain*. New York: WW Norton & Co.

Badenoch, B. (2008) *Being a brain-wise therapist: A practical guide to interpersonal neurobiology*. New York: WW Norton & Co.

Bennett, S. & Nelson, J. (Eds.). (2010). *Adult attachment in clinical social work. Practice, research, and policy*. New York: Springer.

Farmer, R.C. (2009). *Neuroscience and social work practice: The missing link*. Thousand oaks, CA: SAGE.

Mikulincer, M. & Shaver, P. (2007). *Adult attachment: Structure, dynamics, and change*. New York: The Guilford Press.

Nelson, J. (2005). *Seeing through tears: Crying and attachment*. New York: Routledge.

Nelson, J. (in press). *What made Freud laugh: An attachment perspective on laughter*. New York: Routledge.

Schore, A. (2003a). *Affect dysregulation and disorders of the self*. New York: W.W. Norton & Co.

Schore, A. (2003b). *Affect regulation and repair of the self*. New York: W.W. Norton & Co.

Wallin, D. (2007) *Attachment in psychotherapy*. New York: The Guilford Press.

Many assigned articles, videos and CDs can be checked out from the Learning Resource Center in the Social Work Building. The instructor also has selected copies to loan the class.

## V. University and Class Policies

**THE UNIVERSITY OF TEXAS HONOR CODE.** The core values of The University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the university is expected to uphold these values through integrity, honesty, trust, fairness, and respect toward peers and community.

**PROFESSIONAL CONDUCT IN CLASS.** The professor expects students to act as professionals in class. This means students should arrive on time for class, be prepared to participate in the class discussion, and show respect for one another's opinions. We will not, nor should we, always agree with one another. In this environment we should be exposed to diverse ideas and opinions, and sometime we will not agree with the ideas expressed by others. However, the professor does require that students engage one another with respect and professionalism.

**POLICY ON SOCIAL MEDIA AND PROFESSIONAL COMMUNICATION.** Public social networks are not private. Even when open only to approved or invited members, users cannot be certain that privacy will exist among the general membership of sites. If social work students choose to participate in such forums, please assume that anything posted can be seen, read, and critiqued. What is said, posted, linked to, commented on, uploaded, subscribed to, etc., can be accessed and archived, posing potential harm to professional reputations and prospective careers.

Social work students who use social media (i.e. Facebook, Twitter, etc.) and other forms of electronic communication (i.e. blogs, etc.) must be mindful of how their communication may be perceived by clients, colleagues, faculty, and others. Social work students are expected to make every effort to minimize material which could be considered inappropriate for a professional social worker in training. Because of this, social work students are advised to manage security settings at their most private levels and avoid posting information/photos or using any language that could jeopardize their professional image. Students are asked to consider the amount of personal information posted on these sites and are obliged to block any client access to involvement in the students' social networks. Client material should not be referred to in any form of electronic media, including *any* information that might lead to the identification of a client or compromise client confidentiality in *any* way. Additionally, students must critically evaluate any material that is posted regarding community agencies and professional relationships, as certain material could violate the standards set by the School of Social Work, the Texas Code of Conduct for Social Workers, and/or the NASW Code of Ethics.

Social work students should consider that they will be representing professional social work practice as well as the University of Texas at Austin School of Social Work program while in the classroom, the university community, and the broader area communities.

**POLICY ON SCHOLASTIC DISHONESTY.** Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. For further information, the student may refer to the Web Site of the Student Judicial Services, Office of the Dean of Students (<http://deanofstudents.utexas.edu/sjs/>).

**DOCUMENTED DISABILITY STATEMENT.** Any student who requires special accommodations must obtain a letter that documents the disability from the Services for Students with Disabilities area of the Division of Diversity and Community Engagement (471- 6259 voice or 471-4641 TTY for users who are deaf or hard of hearing). Present the letter to the professor at the beginning of the semester so that needed accommodations can be discussed. The student should remind the professor of any testing accommodations

no later than five business days before an exam. For more information, visit <http://www.utexas.edu/diversity/ddce/ssd/>.

**RELIGIOUS HOLIDAYS.** By UT Austin policy, students must notify the professor of a pending absence at least fourteen days prior to the date of observance of a religious holy day. If the student must miss a class, an examination, a work assignment, or a project in order to observe a religious holy day, the professor will give the student an opportunity to complete the missed work within a reasonable time after the absence.

**USE OF E-MAIL FOR OFFICIAL CORRESPONDENCE TO STUDENTS.** Email is recognized as an official mode of university correspondence; therefore, students are responsible for reading their email for university and course-related information and announcements. Students are responsible to keep the university informed about changes to their e-mail address. Students should check their e-mail regularly and frequently—daily, but at minimum twice a week—to stay current with university-related communications, some of which may be time-sensitive. Students can find UT Austin’s policies and instructions for updating their e-mail address at <http://www.utexas.edu/its/policies/emailnotify.php>.

**SAFETY.** As part of professional social work education, students may have assignments that involve working in agency settings and/or the community. As such, these assignments may present some risks. Sound choices and caution may lower risks inherent to the profession. It is the student's responsibility to be aware of and adhere to policies and practices related to agency and/or community safety. Students should notify the professor regarding any safety concerns.

**BEHAVIOR CONCERNS ADVICE LINE (BCAL).** If students are worried about someone who is acting differently, they may use the Behavior Concerns Advice Line to discuss by phone their concerns about another individual’s behavior. This service is provided through a partnership among the Office of the Dean of Students, the Counseling and Mental Health Center (CMHC), the Employee Assistance Program (EAP), and The University of Texas Police Department (UTPD). Call 512-232-5050 or visit <http://www.utexas.edu/safety/bcal>.

**EMERGENCY EVACUATION POLICY.** Occupants of buildings on the UT Austin campus are required to evacuate and assemble outside when a fire alarm is activated or an announcement is made. Please be aware of the following policies regarding evacuation:

- Familiarize yourself with all exit doors of the classroom and the building. Remember that the nearest exit door may not be the one you used when you entered the building.
- If you require assistance to evacuate, inform the professor in writing during the first week of class.
- In the event of an evacuation, follow the professor’s instructions.
- Do not re-enter a building unless you are given instructions by the Austin Fire Department, the UT Austin Police Department, or the Fire Prevention Services office.

## **Policy on attendance, participation, and due dates for assignments**

Students are expected to attend class regularly and to participate in the class discussions by contributing meaningful questions and discourse with fellow students and the instructor. Readings are expected to be completed prior to class. Role will be taken; leaving class at the break will be considered an unexcused absence unless arrangements have been made with the instructor for the absence to be excused. Points will be deducted from the final grade for unexcused absences. The student is allowed one unexcused absence without penalty. Students will not be permitted to make up work missed during unexcused absences. Late assignments will not be accepted without penalty; some exceptions may be made by the instructor. Failure to attend class regularly and demonstrate through class discussion that one has read the assigned material will be considered in assigning the final grade. Use of a laptop computer should only pertain to class and not personal matters/interests.

## **IV. Course Assignments**

### **Worksheets**

There are graded worksheets. Some are take-home, some of the take-home worksheets may be collaboratively answered, and some of worksheets will be answered in class, either collaboratively or individually. Should we not do all 5 worksheets, the points will be added to the worth of the final exam, accordingly.

### **Student generated handouts:**

#### **Texts**

Each student will be required to prepare a written summary of the major points of a portion of chapters from the texts and provide copies (via email is fine) for fellow classmates and the instructor (hard copy required). Each emailed summary is due to fellow students and instructor the Sunday before the week the assignment is due and a hard copy to the instructor the day the assignment is due.

In addition to summarizing the text/articles, each student should choose 3 points they consider most important, emphasize them in some way in the summaries, and be prepared to particularly highlight those points in the class discussion.

#### **Presentation to class**

Choose two points from your text material and find film example(s) to illustrate it to the class.

### **Text summaries**

Additionally, each text summary should address both in writing and in class discussion, the following as it is related to the material summarized:

- a. see Appendix (pp.279-281 in Schore, text, Affect Regulation and the Repair of the Self) for principles of Regulation Theory
  - i. re-state a principle of Regulation Theory which most closely relates to section of text summarized and apply to example from film of student's choosing
  - ii. speculate on how information in section of text summarized affects or is affected by one of the following characteristics: age, class, culture, ethnicity, country of origin, language(s), educational attainment, religious background, sexual orientation, physical or mental challenge, economic oppression, social oppression

## Article summaries

Each student will summarize major points from an article on the syllabus and provide copies of their notes to fellow classmates and the instructor the Sunday before the week the assignment is due. The notes should include:

(a.) 1 speculation regarding relevant scientific findings that (i.) supports and (ii.) calls into question the scientific basis of selected principles of the treatment theory in the article summarized. The scientific findings can be from any of the material in the textbooks or in classmates summaries (reference this). When the article is discussed in class, the student is expected to actively support the discussion.

### Presentation to class

Choose two points from your article material and find film example(s) to illustrate it to the class.

The focus of the examination is two-fold:

- a. the application of selected concepts, the most important of which will be discussed and reviewed during class and
- b. the evaluation, selection, and design of a social service intervention which takes into account both the appropriate psychological theory and the scientific research which supports the use of that particular theory

The 10 (or so) page paper (excluding bibliography) will be informed by any material assigned. Additionally, 1 reference should be from the recommended reading list found at the end of the syllabus; 1 reference from the articles reviewed by students and reference your own article (5 points). The paper is due on the last class day of the term.

The material will be the case of Karen. The paper should include the following:

1. Make a diagnosis of the client.

List the criteria met by Karen's symptoms and list the defenses that help establish your diagnosis.

For each criteria met and 3 of the defenses employed by Karen, speculate on the neuroscience supporting them.

Describe both the behaviors of the attachment category of childhood and adulthood and the neuroscience that accounts for the behaviors.

Discuss briefly the attachment category most similar to the diagnosis/diagnoses with examples of how it is similar to the diagnosis and linking neuroscience. (35 points)

2. Give an example of the client's stressful symptom, memory, wish, experience, and/or defensive maneuver and describe principles and/or techniques, and/or strategies of Regulation Theory (specify which Principle) could be clinically useful in addressing same and explain why so the principle would be useful. Mention 2 neurobiological findings that support the use of this principle/technique to treat Karen. (15 points).

3. Describe a treatment of an issue of Karen's, mention 1 scientific finding that scientifically/neurobiologically supports a technique (describe technique) from one of the following theories: Self Psychology, Object Relations Theory, Intersubjective/Relational/Feminist, Control-Mastery, Regulation theory, or Psychoanalytic Theory (5 points)

4. In the dyadic experience (between Karen and her therapist, her parents or her mother {you may use a different dyad for each example}) according to recent scientific/neurobiological findings in the following:

a. Definition & neurobiology of projective identification (include the defenses that are involved in projective identification and their definitions, examples, & neurobiology, as well) and Schore's step-by-step description of projective identification (and the neurobiology of each step); how is this related to transference/counter/transference, neurobiologically? (15 points)

b. define neurobiologically and give an example of emotional dysregulation and define neurobiologically and give an example of mutual regulation (10 points)

5. Give 1 example of the psychological defense of dissociation that was erected in the face of therapist intervention (describe intervention and behaviors that suggest dissociation occurred), which could include therapist error; define & describe the neurobiological underpinnings of the dissociative experience (5 points)

6. Describe an ethical conflict and quote the ethical guideline from NASW Code of Ethics that could be a result of the interface between the particulars of the client (Karen) and something about you, the student, such as ethnicity, religion, family issue, age, gender, sexual orientation, race, class, cultural background, language, socioeconomic status, physical challenge, and/or other individual differences; speculate on how the interplay you describe between you and Karen could be explained neurobiologically. Note: a clinical conflict is not necessarily an ethical conflict, though it could be.

7. TBA, depending on number of worksheets completed during semester.

Evaluation: Students will be evaluated on the basis of:

Reading assignment completion

Class participation.

Class attendance

Successful completion of assignments.

#### Grade Ranges Corresponding to Letter Grades

94.0 and Above	A
90.0 to 93.999	A-
87.0 to 89.999	B+
84.0 to 86.999	B
80.0 to 83.999	B-
77.0 to 79.999	C+
74.0 to 76.999	C
70.0 to 73.999	C-
67.0 to 69.999	D+
64.0 to 66.999	D
60.0 to 63.999	D-
Below 60.0	F

Worksheets 5% of grade

Exam #1 = 35%

Exam #2 = 35 %

Text summary and presentation=15%

Article summary and presentation-3.5

Participation and attendance= 6.5



## COURSE OUTLINE

### CLASSES 1-3 Monday, September 9 & 16

#### HISTORY, CONTEXT, AND AN OVERVIEW OF THE NEUROBIOLOGY OF ATTACHMENT THEORY

Montgomery, A. (2013). *Neurobiology essentials for clinicians: What every therapist needs to know*. NY: W.W. Norton & Co. Chapter 1, 3-27.

Schore, A.N. (2012). Chapter 6 Attachment, affect regulation, and the developing right brain: Linking developmental neuroscience to pediatrics. *The science of the art of psychotherapy*. New York: WW Norton & Co.

Bennett, S. & Nelson, J. (Eds.). (2010). *Adult attachment in clinical social work: Practice, research, and policy*. New York: Springer. 1-8.

Bennett, S. and Nelson, J. (2008). *Closing thoughts: Special issue on attachment*. *Clinical Social Work Journal*. 36:1, 109-112.

Cassidy, J. (1999). *The nature of the child's ties*. In Cassidy, J. & Shaver, P (Eds). *Handbook of attachment: Theory, research and clinical applications*. New York: The Guilford Press, 3-20.

Karen, R. (1990). *Becoming attached*. *Atlantic Monthly*, 265, (2 February) 35–70.

Nelson, J. & Bennett, S. (2008) *Introduction: Special issue on attachment*. *Clinical Social Work Journal*, 36:1, pp. 3-8.

### CLASSES 4 &5 September 23 & 30 ATTACHMENT, SEPARATION, AND LOSS

Montgomery, A. (2013). *Neurobiology essentials for clinicians: What every therapist needs to know*. Chapter 6. NY: W.W. Norton & Co.

Bowlby, J. (1960). *Grief and mourning in infancy and early childhood*. *Psychoanalytic Study of the Child*, XV, 9 – 27. (Not the whole article)

Nelson, J. *Separation, loss, and grief in adults: An attachment perspective*. In: Bennett, S. & Nelson, J. (Eds.). (2010). *Adult attachment in clinical social work: Practice, research, and policy*. New York: Springer, 79-95.

Nelson, J. (2005). *Seeing through tears: Crying and attachment*. New York: Routledge, 15-41.

Sable, P. (2012). *The pet connection: An attachment perspective*. *Journal of Clinical Social Work*. 41:1 (93-99).

### **Classes 6 & 7**

**September 30 & October 7**

### **THE NEUROBIOLOGY OF ATTACHMENT - I**

Montgomery, A. (2013). *Neurobiology essentials for clinicians: What every therapist needs to know*. NY: W.W. Norton & Co. Chapter 2, 28-64 and Chapter 8, pp. 244-277.

Applegate, J & Shapiro, J. (2005). *Neurobiology for clinical social work: Theory and Practice*. New York: W.W. Norton & Co., . Chapters 1, 2. (1-25).

Schore, J. R. & Schore, A.N. (2008). *Modern attachment theory: The central role of affect regulation in development and treatment*. *Journal of Clinical Social Work*. 36:9-20.

Siegel, D. (2003). *Brain asymmetry, neural integration, and trauma*. In Solomon, M & Siegel, D. (Eds.). *Healing trauma: An interpersonal neurobiology of psychotherapy*. New York: W.W. Norton, 14-29.

Montgomery, A. (2013). *Neurobiology essentials for clinicians: What every therapist needs to know*. Chapter 8. NY: W.W. Norton & Co. Chapter

### **THE NEUROBIOLOGY OF ATTACHMENT- II**

Applegate, J and Shapiro, J. (2005) *Neurobiology for clinical social work: Theory and practice* New York: W.W. Norton & Co. Chapter 9 (40-57; 160-177).

Nelson, J. (in press) *Affect attunement and misattunement and the formation of internal working models of attachment*. *What made Freud laugh: An attachment perspective on laughter*. New York: Routledge. Chapter 6.

Schore, A.N. (2003a). Parent-infant communications and the neurobiology of emotional development. *Affect dysregulation and disorders of the self*. New York: W.W. Norton & Co. Chapter 4 (75-86).

**CLASSES 8 & 9**  
**October 14 & 21**

**ATTACHMENT & CAREGIVING STRATEGIES AND STYLES**

Montgomery, A. (2013). *Neurobiology essentials for clinicians: What every therapist needs to know*. NY: W.W. Norton & Co. Chapter 5, 114-192.

Wallin, D. (2007) *Attachment in psychotherapy*. New York: The Guilford Press., (84-98).

Mikulincer, M. & Shaver, P. (2007). *Individual differences in attachment-system functioning. Attachment in adulthood*. New York: The Guilford Press. (21-28 & 36-44).

Solomon, J. & George, C. (2008). *The measurement of attachment security in infancy and childhood*. In Cassidy, J. & Shaver, P. (Eds.), *Handbook of attachment: Theory, research, and clinical applications*. New York: The Guilford Press, (287-302 NOT THE ENTIRE CHAPTER).

**CLASSES 10 & 11**  
**October 28 & November 4**

**October 25 (Friday), Exam #1 due, 4:45 at Student Services Desk**

**TRAUMA, DISORGANIZED/DISORIENTED ATTACHMENT AND DISSOCIATION**

Montgomery, A. (2013). *Neurobiology essentials for clinicians: What every therapist needs to know*. NY: W.W. Norton & Co. Chapter 3 & 4, 65-113.

Schore, A. (2003). *The neurobiology of the disorganized/disoriented attachment*. In Solomon, M. & Siegel, D. (Eds). *Healing trauma: An interpersonal neurobiology of psychotherapy*. New York: W.W. Norton, 124-141.

Schore, A.N. (2012). Chapter 8 Attachment trauma and the developing right brain: Origins of pathological dissociation (259-320). *The science of the art of psychotherapy*. New York: WW Norton & Co.

Lyons-Ruth, K. (2008). *Attachment disorganization: Cassidy, J. & Shaver, P., (Eds.). (2008). Handbook of attachment: Theory, research, and clinical applications. New York: The Guilford Press, 672-680.*

Wallin, D. (2007). *The unresolved patient: Healing the wounds of trauma and loss. Attachment in psychotherapy. New York: The Guilford Press, 242-25*

**CLASS 12 -15  
November 11 & 18**

**ATTACHMENT, CAREGIVING, CULTURE, AND ISSUES IN ADULT  
PSYCHOTHERAPY**

Schore, A.N.( 2012). Bowlby's environment of evolutionary adaptedness; Current decrement in U.S. culture (339-382). *The science of the art of psychotherapy. New York: WW Norton & Co.*

Tronick, E. (2007). *The role of culture in brain organization, child development, and parenting. In: The neurobehavioral and socio-emotional development of infants and children. New York: W.W. Norton, 97-101.*

Van Ijzendoorn, M. & Sagi, A. (1999) *Cross-cultural patterns of attachment: Universal and Contextual Dimensions. In: J. Cassidy & P. Shaver (Eds.). Handbook of attachment: Theory, research, and clinical applications. New York: The Guilford Press, 880-882 & 896-901.*

Bennett, S., Sheridan, M. & Soniat, B. (2010) *Attachment and caregiving for elders within African-American Families. In: Bennett, S. & Nelson, J. (Eds.) Adult attachment in clinical social work: Practice, research, and policy. New York: Springer, 127-145.*

Carlson, V. & Harwood, J. (2003). *Attachment, Culture, and the caregiving system: The cultural patterning of everyday experiences among Anglo and Puerto Rican mother-infant pairs. Infant Mental Health Journal, 24(1), 53-70.*

Cameron, C.A., Talay-Ongan, A., Hancock, R. & Tapanya. S. (2010) *Emotional Security. In: Gillen, J. & Cameron, C.A. (Eds.). (2010). International perspectives on early childhood research: A Day in the Life. New York: Pargrave Macmillan., 77- 99.*

Grossmann, K., Grossmann, K.E., Spangler, G. Suess, G. & Unzner, L. (1985). *Introduction to Part IV: Cross-national studies of attachment in infancy and maternal sensitivity and newborns' orientation responses as related to quality of attachment in Northern Germany. In: Bretherton, I. & Waters, E. (Eds.) Growing*

*points of attachment theory and research\_ Society for Research in Child Development, 50, 1-2, and.231-256.*

Sagi, A., vanIjzendoorn, M., Aviezer, O. Donnell, F., & Mayselless, O. *Sleeping out of home in a kibbutz communal arrangement: It makes a difference for infant-mother attachment.* (1994). *Child Development, 65 (4), 992-1004. (read also: Van Ijzendoorn, M. & Sagi, A. (2008) Attachment in the Kibbutz: The Israeli Case. In Cross-cultural patterns of attachment: Universal and Contextual Dimensions. In: J. Cassidy & P. Shaver (Eds.) (2008). Handbook of attachment: Theory, research, and clinical applications. New York: The Guilford Press, 889-892)*

Scheper-Hughes, N. (1992). *Death without weeping.* Berkeley: University of California Press, 408-433 **AND:**

Schoch, R. (1992). *California Q & A: Nancy Scheper-Hughes.* California Monthly, 102(5), 18-23.

\*Takahashi, K. (1990). *Are the key assumptions of the 'Strange Situation' procedure universal? A view from Japanese research.* Human Development, 33, 23-30.

**AND** Van Ijzendoorn, M. & Sagi, A. (1999) *Cross-cultural patterns of attachment: Universal and Contextual Dimensions. In: J. Cassidy & P. Shaver (Eds.). Handbook of attachment: Theory, research, and clinical applications. New York: The Guilford Press, 892-896.*

Tronick, E. (2007) *Multiple caretaking in the context of human evolution: Why don't the Efe know the Western prescription for child care? In: The neurobehavioral and socio-emotional development of infants and children. New York: W.W. Norton, 102-122.*

Tronick, E. (2007) *The Manta pouch: A regulatory system for Peruvian infants at high altitude. In: The neurobehavioral and socio-emotional development of infants and children. New York: W.W. Norton, 123-133.*

Tronick, E. (2007) *Mother-infant interaction among the Gusii of Kenya. In: In: The neurobehavioral and socio-emotional development of infants and children. New York: W.W. Norton, 134-152.*

**APPLICATION I: ATTACHMENT-BASED CAREGIVER/INFANT  
PREVENTION AND TREATMENT STRATEGIES  
November 25 & December 2**

Schore, A.N. (2012). Chapter \_\_ The right brain implicit self lies at the core of psychoanalysis (118-151) and Therapeutic enactments: Working in right brain windows of affect tolerance (152-222). *The science of the art of psychotherapy*. New York: WW Norton & Co.

*Beebe, B. (2003) Brief mother-infant treatment: Psychoanalytically informed video feedback, Infant Mental Health Journal, 24 (1), 24-52.*

*Berlin, L., Zeanah, C., & Lieberman, (2008). Prevention and intervention programs for supporting early attachment security, In: Cassidy, J. & Shaver, P., (Eds.). (2008). Handbook of attachment: Theory, research, and clinical applications. New York: The Guilford Press, 748-761.*

*Boo, K. (2006, February 6). Swamp nurse. The New Yorker, 54-65.*

**APPLICATION II: ATTACHMENT-BASED RELATIONAL  
PSYCHOTHERAPY & ATTACHMENT-BASED RELATIONAL  
PSYCHOTHERAPY**

Schore, A.N. (2012). Chapter 2. Relational trauma and the developing right brain: An interface of Psychoanalytic Self Psychology and neuroscience. (52-70) and Chapter 3. Right brain affect regulation: An essential mechanism of development, trauma, dissociation, and psychotherapy(71-152). *The science of the art of psychotherapy*. New York: WW Norton & Co.

*Nelson, J. (2005). Crying in the clinical hour, and how therapists deal with crying and caregiving, including their own. In: Seeing through tears: Crying and attachment. New York: Routledge, 151-192.*

*Nelson J. (in press). Laughter in the clinical hour. In: What made Freud laugh: An attachment perspective on laughter. New York: Routledge. Chapter 10.*

*Stern, D. (1998). The process of therapeutic change involving implicit knowledge: some implications of developmental observations for adult psychotherapy. Infant Development, 19(3), 300-308.*

*Wallin, D. (2007). Assessing the patient's state of mind with respect to attachment. In: Attachment in Psychotherapy, New York: The Guilford Press, 206-210.*

*Basham, K. Homecoming as safe haven or the new front: Attachment and detachment in military couples. Clinical Social Work Journal, 36:1, 83-96.*

*\*Brown, K. M. & Sorter, D. Listening closely: The significance of the therapist's voice intensity, rhythm, and tone. In: Bennett, S. & Nelson, J. (2010). Adult attachment in clinical social work: Practice, research, and policy. New York: Springer. 97-111.*

*Wallin, D. The dismissing patient. In: Attachment in Psychotherapy, New York: The Guilford Press, 211-223.*

*Wallin, D. The preoccupied patient. In: Attachment in Psychotherapy, New York: The Guilford Press, 224-241.*

***Exam #2 Due Friday, December 6 @ 4:45 at Student Services Desk***

**Exam #2: Application of Attachment Theory, Research and the Neurobiology of Attachment to a Fictional Character**

The clinical data is taken from the “case material” on Suzanne, the character in *Postcards from the Edge*. This examination is intended to represent a working draft of a clinical assessment of the forces that have had an effect on the client’s presenting problem. Charts or other schematics to present material are acceptable.

Draft of assessment interviews with client: (#1-4 = 2 points)

1. Social Work Setting:
2. Referral Source:
3. Presenting Problem:
4. Identifying data: Create a description of Suzanne from the following list of qualities, characteristics and stressors: age, gender, culture, ethnicity, country of origin, language, educational attainment, religious background, sexual orientation, physical or mental challenge, economic oppression, and social oppression. Additionally, describe her general physical and mental health, previous treatment (if relevant), employment situation, living situation, relevant relationship issues, and other important issues.
5. (3 points) Mention any three of the above descriptors (question #4) which may have an effect on the diagnosis and give neurobiological explanation for why this might be so.
6. (12 points) Make a diagnosis listing criteria met and at least 3 defenses and the neurobiological description which is the mechanism for the criteria and defenses.
7. (6 points) What may be the neurobiological significance of the diagnosis as it relates to the attachment category? Speculate on the childhood and the adult attachment category and note the relationship to the Autonomic Nervous System.
8. (6 points) Define and give examples from the movie of the defenses of projection and dissociation with the relevant neurobiological explanations.
9. (18 points) For projective identification, take the step-by-step approach as found in Ch. 8 Montgomery (2013) using the argument on the stairs with mother. Describe the neurobiological mechanism behind each step with examples from scene.



10. (12 points) RE: 2nd kissing scene
- From the encounter between Suzanne and Jack), speculate on the adult attachment category of both people, with some detail.
  - Give a neurobiological explanation for the biology of affect regulation that is implicit in their attachment category.
  - What disowned part of a conflict/ambivalence might each one be likely to project onto the other?
  - Why would each one tend to keep the other side of the conflict/ambivalence (make your best clinical speculation)?

11. (10 points) Give 3 neurobiological explanations for the exchange between Suzanne and Doris when Suzanne comes in late one night. Give some dialogue, such as, “Do you mind if I drink?...Do you mind if I drop acid? Or “I hardly think that my drinking can be compared with your drug taking” in order to illustrate the neurobiology implicit in the encounter.

12. (4 points) From the Evelyn Ames conversation, “I’m in it for the endorphin rush...” Describe and explain Suzanne’s reaction (from neurobiological perspective) at any point in the conversation.

13. (10 points) Using the neurobiological information regarding the shame experience, explain Jack and Suzannes’ reactions during their argument (e.g., “You know what this is, it’s a jealous tantrum....” Or any other interactions or dialogue within that argument).

14. (5 points) Give an example of your own right brain reaction to an example of any material on this case and explain it from any neurobiological perspective as referenced from any principle of Regulation Theory; Include countertransference challenges as they relate to the therapist’s attachment history and style and strategies.

15. (12 points) Define and give examples from movie of 4 neurobiological concepts.

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