

**Course Syllabus**  
**The University of Texas at El Paso**

**DRSC 4311 The Science of Collaboration through Neuroscience  
in Rehabilitation Sciences**

**Semester Credit Hours:** 3

**Contact Hours:** 45

**Class Schedule:** Hybrid and daily 9-11, or as scheduled

**Class Location:** Sevilla, Spain

(TBD: Centro Norteamericano, Universidad de Sevilla or off campus)

**Faculty:** Amelia Rau, Ph.D./M.S. CCC-SLP

**Contact:** [amrau@utep.edu](mailto:amrau@utep.edu) or via WHATSAPP 001+612-209-8127

**Office Location:** As needed

**Office Hours:** As requested daily

**Catalog Course Description:** Interpretation and application of principles of group dynamics and effective team communication, models of interdisciplinary collaborative research and clinical practice through Neuroscience in Rehabilitation. Development of skills in identifying different aspects of rehabilitation including advancements of neuroscience, sociocultural context, opportunities for collaborative leadership, professional issues, and strategies for conflict management within interdisciplinary teams. *Prerequisites:* Admission to the Bachelor of Science in Rehabilitation program or department approval.

**Course Goals:** DRSC 4311 is a required 3-credit core course for the Rehabilitation Sciences major. There are two primary goals of DRSC 4311. The first goal is to develop students' knowledge about the essential principles of neuroplasticity as well as advancements of its incorporation into rehabilitation disciplines through broad collaboration in research and clinical practice. The key elements of dynamical organization of nervous system from cells to networks to modules to systems that underlies human behavior will then be covered. Second goal is to train the core competencies required for effective interprofessional collaboration in research and clinical practice and understanding how they facilitate effective rehabilitation.

This course facilitates students' experiential learning by implementing a project-based framework. Students may demonstrate and apply the knowledge gained throughout the interdisciplinary major and develop skills including critical thinking, synthesis and integration, teamwork and communication. In addition, this course will support the professional preparation of students for their future academic and career pursuits.

**Required Readings:**

Required Text: Freshman B, Rubino L, Chassiokos YR. *Collaboration Across the Disciplines in Healthcare*. Sudbury, MA: Jones and Bartlett Publishers, 2010.

Additional readings and materials (articles, videos, etc.) will be provided to students electronically or in hard copy. Students are required to be prepared to discuss all available material during class. Students are expected to research and find resources required for assignments.

**Format (Face-to-face with <49% Asynchronous):** The course is interactive format where faculty will provide a structure and format for class sessions and students are expected to be prepared, make an active, significant contribution to the discussions whether we meet in-person or online. The course includes:

- A. In-class participatory activities (individual and group discussions, written activities, and oral presentations)
- B. Readings, including textbook, additional handouts, test reviews, test manuals, and other related journal articles; provided in class, or available on *Blackboard* or in the library.
- C. Blackboard participation, lectures, practical labs, study guides, websites, YouTube, quizzes, exams.

**Blackboard:** The electronic platform for this course will be Blackboard. Students are responsible for checking Blackboard daily for course announcements and updates through the my.utep.edu portal. All assignments will be uploaded onto Blackboard.

**Learner Objectives:** At the end of this course, students will be able to:

1. Describe the core competencies for interprofessional collaboration.
2. Recognize team dynamics and group processes enabling effective interprofessional collaboration in clinical practice and research.
3. Discuss critical concepts and techniques to understand the dynamical organization of nervous system
4. Discuss essential principles of positive and negative neuroplasticity
5. Describe methods of modification of human behavior through modulation of the nervous system
6. Incorporate recent neuroscientific and neurorehabilitation evidence into clinical practice
7. Design the interprofessional collaborative team project (research or clinical) that addresses neurorehabilitation problems and includes a partnership with external partners inequities

**Assignments.** The following assignments will be required as part of this course:

- (1) Daily Logs (12) (60%) each worth 5% towards the final grade. These will be aggregated into a creative multimedia project end of maymester.
- (2) Presentation (20%) small group (2-3 students) presentation to be done during the last class sessions
- (3) Participation (20%) students are expected to attend all programmed portions of the study abroad program.

**Note: Participation** is a key part of this course. Each day of absence will result in a 2-point (2%) reduction in the overall course grade. Each incident of tardiness/leaving early resulting in missing more than 30 minutes of the class session will result in a one-point (1%) deduction from the overall course grade. A student who is asked to leave will be subject to 2 point deduction for each incident.

**Class Participation.** Active participation in this course is very important. Students should be prepared to come to class to discuss, answer questions, and participate in all class activities.

**Total Grade Points:** The maximum number of points that can be earned in this class is 100.

The translation of points to a letter grade for this course is as follows:

- A (> 90 %),
- B (80-89%),
- C (70-79%),
- D (60-69%) and
- F (< 60%).

**Course grades will be calculated using the following weights:**

- Daily log (12) (60%)
- Presentation (20%)
- Participation (20%)

**COURSE SCHEDULE:**

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
<b>15 SEVILLE</b> Breakfast at residence Arrival in Seville <b>Group Transfer at one designated time to accomodation</b> Lunch on own <b>7 pm Orientation at SSA &amp; Walking Tour</b> <b>8:30 pm Welcome dinner</b>	<b>16 FIRST DAY OF CLASSES</b> Breakfast at residence <b>9-10:30 am Lecture on Public Health Care System</b> <b>11 am-1 pm UTEP class (2 groups)</b> Lunch at residence <b>Beverley's group activity</b> <b>4-7 pm Amelia's Grad Class</b> Dinner at residence	<b>17</b> Breakfast at residence <b>9:15 am San Juan de Dios visit</b> Lunch at residence <b>Beverley's group activity</b> <b>4-7 pm Amelia's Grad Class</b> Dinner at residence	<b>18</b> Breakfast at hostel <b>9-11 am UTEP class (2 groups)</b> <b>11:15 am Cultural visits:</b> Cathedral visit <i>Meeting point: Sala del piano</i> Lunch at residence <b>5 pm Sevillanas Workshop</b> <b>Flamenco show</b> Dinner at residence	<b>19</b> Breakfast at residence <b>9-11 am UTEP class (2 groups)</b> Córdoba & Ronda meeting <b>11:15 am Cultural walking tour:</b> Plaza de España & M <sup>a</sup> Luisa Park <i>Meeting point: Sala del piano</i> Lunch at residence <b>4-7 pm Amelia's Grad Class (off campus)</b> Dinner at residence	<b>20 DAY TRIP TO CÓRDOBA</b> <b>9 am Depart for Córdoba</b> <i>Meeting point: Nh Plaza de Armas</i> Mezquita & Synagogue visits Picnic Lunch <b>PM Return to Seville</b> Dinner at residence	<b>21 DAY TRIP TO RONDA</b> <b>8:45 am Depart for Ronda</b> <i>Meeting point: Nh Plaza de Armas</i> <b>Visits in Ronda</b> Picnic Lunch <b>PM Return to Seville</b> Dinner at residence
<b>22</b> Breakfast at residence <b>9-11 am UTEP class (2 groups)</b> <b>11:15 am Cultural visits:</b> Alcázar & Jewish Quarter <i>Meeting point: Sala del piano</i> Lunch at residence <b>5-7 pm Gastronomy Class</b> <i>Meeting point: Sala de Estudios</i> Dinner at residence	<b>23</b> Breakfast at residence <b>9-11 am UTEP class (2 groups)</b> <b>11:15 am Gastronomy Class</b> <i>Meeting point: Sala de Estudios</i> Lunch at residence <b>6-8 pm Gastronomy Class</b> <i>Meeting point: Sala de Estudios</i> Dinner at residence	<b>24</b> Breakfast at residence <b>9-11 am UTEP class (2 groups)</b> <b>11:30 am Cultural visits:</b> Fine Arts Museum <i>Meeting point: Sala del piano</i> Lunch at residence <b>5 pm Gastronomy Class</b> <i>Meeting point: Sala del piano</i> Dinner at residence	<b>25</b> Breakfast at residence <b>9-11 am UTEP class (2 groups)</b> <i>Meeting point: Sala de Estudios</i> <b>11:30 am-1 pm Lecture on Special Education</b> Lunch at residence <b>5 pm Cultural visits:</b> Hospital de la Caridad Dinner at residence	<b>26</b> Breakfast at residence <b>9-11 am UTEP class (2 groups)</b> <b>11:15 am Cultural visits:</b> Archive of the Indies & Gold Tower <i>Meeting point: Sala del piano</i> Lunch at residence <b>4-7 pm Amelia's Grad Class (off campus)</b> Dinner at residence	<b>27 NIGHT IN GRANADA</b> Breakfast at residence <b>9 am Depart for Granada</b> <i>Meeting point: Nh Plaza de Armas</i> Picnic Lunch <b>4:30 pm Cultural visits:</b> Royal Chapel & Albaicin walking tour Dinner on own	<b>28 DAY IN GRANADA</b> Breakfast at hotel <b>Cultural visits:</b> Alhambra & Generalife gardens Lunch on own <b>PM Return to Seville</b> Dinner at residence
<b>29</b> Breakfast at residence <b>9-11 am UTEP class (2 groups)</b> <b>11:30 am Gastronomy workshop:</b> Cooking Class (Group 1) Lunch at cooking class <b>4-7 pm Amelia's Grad Class</b> Dinner at residence	<b>30</b> Breakfast at residence <b>9-11 am UTEP class (2 groups)</b> <b>11:30 am Gastronomy workshop:</b> Cooking Class (Group 2) Lunch at cooking class <b>4-7 pm Amelia's Grad Class</b> Dinner at residence	<b>31 NIGHT IN MADRID</b> Breakfast at residence 9:45 am Transfer to train station & Train to Madrid <i>Meeting point: Nh Plaza de Armas</i> Lunch on own Prado Museum visit Dinner at restaurant	<b>1 DAY IN TOLEDO</b> <b>Breakfast at hotel</b> Depart by bus to Toledo Cathedral, Santo Tomé & Sephardic Museum visits Lunch on own <b>PM Return Madrid</b> <b>PM Farewell Dinner at restaurant</b>	<b>2 END OF UTEP PROGRAM AND HOUSING</b>		

Please Note: Announced dates and destinations are subject to change. In the event of a change or cancellation, Spanish Studies Abroad will substitute it with another of equal academic value

Course Outline	Date	Topic/ Class Activity	Reading/ Assignment
Day 1	Saturday April 15	Course Overview 9:30 am @Study Abroad Orientation –ALL DAY	
Day 2	Friday May 12	BB Course Overview – SELF PACED > TRAVEL	Syllabus and BB
Day 3	Monday May 15	TRAVEL > Arrival in Seville – NO CLASS MEETING	Daily BB Reflection
Day 4	Tuesday May 16	9 – 10:30 am GUEST LECTURE (required all) Public Healthcare in Spain	Daily BB Reflection  Kleim & Jones 2008

		<p>11 – 1 pm UTEP Rehab Class <i>Intro and Crash course in Neuroplasticity</i></p> <p>4 – 7 pm UTEP Grad Class <b>(Optional-Open Forum)</b> <i>Patología del Habla y Lenguaje</i> <i>Interpretacion de datos diagnosticos</i></p>	
Day 5	Wednesday May 17	<p>9:15 am COLEGIO SAN JUAN DE DIOS <b>(required all)</b></p> <p>4 – 7 pm UTEP Grad Class <b>(Optional-Open Forum)</b> PRESENTATIONS <i>El Sonido del Habla - FERNANDA</i> <i>Fluidez – ANDREA</i></p>	Daily BB Reflection
Day 6	Thursday May 18	<p>9 – 11 am UTEP Rehab Class <i>Ch.1 The Multidisciplinary Healthcare Team</i></p>	Daily BB Reflection
Day 7	Friday May 19	<p>9 – 11 am UTEP Rehab Class <i>Ch.5 Patient Perspectives</i></p> <p>4 – 7 pm UTEP Grad Class <b>(Optional-Open Forum)</b> PRESENTATION <i>Colaborando con Interpretes, Transliteractores y Traductores. – PAOLA ½</i> <i>Desordenes de la Voz – BIANCA</i></p>	Daily BB Reflection
Day 8	Monday May 22	<p>9 – 11 am UTEP Rehab Class <i>The Quadruple Aim</i></p>	Daily BB Reflection  Bodenheimer, 2014
Day 9	Tuesday May 23	<p>9 – 11 am UTEP Rehab Class <i>Ch.15 The Psychology of Collaboration</i></p>	Daily BB Reflection
Day 10	Wednesday May 24	<p>9 – 11 am UTEP Rehab Class <i>Social Contexts for Communication</i> <i>Intercultural Conflict and Bias</i></p>	Daily BB Reflection
Day 11	Thursday May 25	<p>9 – 11 am UTEP Rehab Class <i>Education and Training</i></p> <p>11:30- 1 pm GUEST LECTURE <b>(required all)</b> Special Education in Spain</p>	Daily BB Reflection
Day 12	Friday May 26	<p>9 – 11 am UTEP Rehab Class <i>Defining Bilingualism</i> <i>Bilingual Theory</i></p> <p>4 – 7 pm UTEP Grad Class <b>(Optional-Open Forum)</b> PRESENTATIONS</p>	Daily BB Reflection

		La Afasia - ARIANA Abogacía – PAOLA 2/2	
Day 13	Monday May 29	9 – 11 am UTEP Rehab Class <b>STUDENT PRESENTATIONS X2</b>  4 – 7 pm UTEP Grad Class <b>(Optional-Open Forum)</b> Trastornos Oromotrices - LUIS La Disfagia - MIKEALA	Daily BB Reflection
Day 14	Tuesday May 30	9 – 11 am UTEP Rehab Class <b>PRESENTATIONS X1</b>  4 – 7 pm UTEP Grad Class <b>(Optional-Open Forum)</b> La Afasia - ARIANA Abogacía – PAOLA 2/2	Daily BB Reflection
Day 15	June 1-11	NO CLASS MEETING	POST Daily BB Reflection  SUBMIT ALL Reflections as Creative Multimedia Document (i.e. word with visuals, Canva, PPT, voice-over, etc.)

### Class Policies

**Attendance Policy:** It is university policy that all students attend ALL scheduled classes and the final class session. Attendance will be taken at each class. Students are advised that pets, family, work and early vacation plans are not excuses for continual lateness, absences or missed exams and assignments. When a student registers for a course, it is assumed that she/he has made arrangements to avoid such conflicts.

**Policy on Electronic Devices In Class.** Use of personal laptops, cell phones, and other wireless devices (PDAs, MP3 players, Smartphones etc.) is not permitted during this course. The necessity of classroom discussion and other interaction in this course negates the usefulness of laptops as a note-taking device. The use of personal laptops and other electronic devices is also distracting to your classmates and instructor so do not bring these to class or turn them off before coming to class.

**Notice of Policy on Cheating.** Students are expected to be above reproach in all scholastic activities. Students who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the university. "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another student, any act designed to give unfair

advantage to a student or the attempt to commit such acts.” Regent’s Rules and Regulations, Part One, Chapter VI, Section 3.2, Subdivision 3.22. Since scholastic dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.

**From the UTEP Dean of Student Affairs**

(<http://studentaffairs.utep.edu/Default.aspx?tabid=4386>). It is an official policy of university that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. “Cheating” includes:

1. Copying from the test paper of another student, engaging in written, oral, or any other means of communication with another student during a test, or giving aid to or seeking aid from another student during a test;
2. Possession and/or use during a test of materials which are not authorized by the person giving the test, such as class notes, books, or specifically designed “crib notes”;
3. Using, obtaining, or attempting to obtain by any means the whole or any part of non-administered test, test key, homework solution, or computer program; using a test that has been administered in prior classes or semesters but which will be used again either in whole or in part without permission of the instructor; or accessing a test bank without instructor permission;
4. Collaborating with or seeking aid from another student for an assignment without authority;
5. Substituting for another person, or permitting another person to substitute for one’s self, to take a test; and
6. Falsifying research data, laboratory reports, and/or other records or academic work offered for credit;

*Plagiarism* means the appropriation, buying, receiving as a gift, or obtaining by any means another’s work and the unacknowledged submission or incorporation of it in one’s own academic work offered for credit, or using work in a paper or assignment for which the student had received credit in another course without direct permission of all involved instructors. NOTE: This includes cutting-and-pasting and photocopying from on-line and other material.

*Collusion* means the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on scholastic dishonesty. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, per UTEP catalog policy. Refer to <http://www.utep.edu/dos/acadintg.htm> for further information

**Special Accommodations:** I will make any reasonable accommodations for students with limitations due to disabilities, including learning disabilities. Please see me personally before or after class in the first two weeks or make an appointment, to discuss any special needs you might have. If you have a documented disability and require specific accommodations, you will need to contact the Center for Accommodations and Support Services in the East Union Bldg., Room 106 within the first two weeks of classes. The Center for Accommodations and Support

Services can also be reached in the following ways:

Web: <http://sa.utep.edu/cass/>

Phone: (915) 747-5148 voice or TTY

Fax: (915) 747-8712

NOTE - Any errors in the above syllabus are subject to correction and all course requirements are subject to revision. Students will be notified in writing of all changes made to this syllabus.