## Monday Details of Session and Readings

**01/06/14**

**Introduction to Course**
- Goals and Objectives
- Requirements
- Grading
- Introduction to fellow students

Student experiences with developmental disabilities
- Personal reflections
- Portrayal of developmental disabilities in the media and culture

Preferred use of language
- Person-first language
- The R-word
- Jargon-busting

**01/13/14**

**Down syndrome: Basics**
- Genetics
- Physical features
- Intellectual features
- Neuropsychological profile
- Life span considerations
- Prenatal testing

Team Debate: All women in the US should have the current best screening test for Down syndrome. (Be prepared to take either side in this one)

Guest (pending): Judy Richardson and Michael Seiders

**Readings for this class**
- DBP Fourth Edition, Chapter 25
- [Down Syndrome/What Is Down-Syndrome/](https://www.ndss.org/Down-Syndrome/)
- [http://www.sciencedaily.com/releases/2013/06/130607085203.htm](http://www.sciencedaily.com/releases/2013/06/130607085203.htm)

## Wednesday Details of Session and Readings

**01/08/14**

**Definitions and conceptualizations**
- Definitions of disability
- Implications of different definitions
- Epidemiology

Contrasting models
- Medical
- Social
- Interdependence

Taxis: New York City is replacing its taxi fleet. Should they purchase all accessible taxis? How would you argue this question from the different models (medical, social, interdependent) of disability?

**Readings for this class**
- [Redesigning Health Care for Children with Disabilities, Chapters 1 and 2](http://www.taxisforall.com/)

**01/15/14**

**Biomedical approaches to treatment of intellectual disability in Down Syndrome**
- Review of mouse models for DS
- Findings about synaptic function
- Findings about norepinephrine
- Implications for treatment
- Other treatment strategies

Discussion:
- How would you design a study to test whether a drug improves cognitive function in adults with DS? Children with DS?
- What are the ethical considerations in treating intellectual disability with medication?

**Readings for this class**
- Fernandez, F., Morishita, W., Zuniga, E., Nguyen,
# Complete Syllabus

## Topics, Readings, Assignments, Guests

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Readings</th>
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<tbody>
<tr>
<td>01/22/14</td>
<td>Inclusion and Participation</td>
<td>• History from antiquity to present</td>
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<td>• Importance and challenges of participation</td>
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<td>• Introduction of the International Classification of Functioning, Disability and Health (ICF)</td>
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<td>Seeing it in action: Introduction to community-based services for individuals with disabilities. Guest: Sheraden Nicholau, Associate Director of Abilities United</td>
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<td><strong>Readings for this class</strong></td>
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<td><em>Redesigning Health Care for Children with Disabilities</em>, Chapter 4, 5, 6</td>
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<td><em>Towards a Common Language for Functioning, Disability and Health: ICF</em></td>
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<td><a href="http://www.who.int/classifications/icf/training/icf_beginnersguide.pdf">http://www.who.int/classifications/icf/training/icf_beginnersguide.pdf</a></td>
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<tr>
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<td><strong>Reflection #1 Due</strong> (Suggestion if you are stuck: What have you learned thus far in the course? What story or example in the book touched you and why?)</td>
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<tr>
<td>01/27/14</td>
<td>Social approaches to improve learning: Special education</td>
<td><strong>Discussion:</strong> What would you choose for your child if your child qualified for special education?</td>
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<tr>
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<td><em>DBP Fourth Edition</em>, Chapter 93 and 92</td>
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<td><em>Redesigning Health Care for Children with Disabilities</em>, Chapter 13</td>
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<tr>
<td>01/29/14</td>
<td>Evolution and evaluation of special education</td>
<td><strong>Guest (pending): Brooke Heymach</strong></td>
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### Complete Syllabus

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<tr>
<td>1/27/14</td>
<td>First Community Visit to Abilities United. Second visit to be arranged individually.</td>
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<tr>
<td>02/03/14</td>
<td><strong>Cerebral Palsy: Basics</strong> <em>• Description of the condition</em>/ <em>• Associated findings</em>/ <em>• Basic understanding of the causes Videos of individuals with CP</em> <em>Guest: Kathy Zonana and Max</em></td>
<td><em>Readings for this class</em><a href="http://www.ninds.nih.gov/disorders/cerebral_palsy/cerebral_palsy.htm">http://www.ninds.nih.gov/disorders/cerebral_palsy/cerebral_palsy.htm</a> DBP Fourth Edition, Chapter 67</td>
</tr>
<tr>
<td>02/10/14</td>
<td><strong>Social approaches to improving mobility: Technology</strong> <em>• Stories of individuals with CP and other disabilities in schools and workplaces</em>/ <em>• Types of access: Architecture, Mobility devices, Assistive technology, Assistive communication</em> <em>Discussion: What factors affect function and the quality of life of children with cerebral palsy?</em> <em>Guest: Phil Weaver</em></td>
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Reflection #2 Due (Suggestion if you are stuck: What did you notice in your visit to Abilities United? Or What changes will you make in your life or approach given the course to date?)
### Autism: Basics
- Description of the condition
- Epidemiology
- Core Features
- Analysis of videos of children with autism
- The role of immunizations in the etiology of autism
- The persistence of public worry about immunizations and autism

#### Readings for this class
- [DBP Fourth Edition, Chapter 69](#)
- [www.autismspeaks.org](http://www.autismspeaks.org), 100 day kit (skim)

### Paper #1 Due

#### Social approaches to improving lives of individuals with autism
  - Pressure for federal action
  - Strategies available to the federal government
  - Key provisions of the law
  - Challenges on reauthorization
  - CA state initiatives regarding autism

#### Readings for this class
## Developmental Disabilities: From Biology to Policy
### Winter 2013-2014
#### Course Instructor: Heidi M Feldman MD PhD
#### Teaching Assistant: Lauren M Hubner MD

**Complete Syllabus**

**Topics, Readings, Assignments, Guests**

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| 03/03/14 | Stem cells: An emerging issues in the biological basis of disabilities | - How might it work  
- For what conditions would it be appropriate  
- Potential benefits  
- Risks  
Readings for this class  
| 03/05/14 | Future issues in policy for individuals with disabilities            | - Affordable Care Act  
Discussion: Come to class with a problem that you have experienced in the lives of individuals with disabilities to discuss possible policy approaches to remedy the problem  
Readings  
Find readings that address the issue you want to create policy for  
*Redesigning Health Care for Children with Disabilities, Chapter 12, 13*  
**Reflection #3 Due**  
Personal discussions of Paper #2 (commit to question and proposal to answer) |
| 3/10/14  | Reflections on visits to Abilities United                            | - What did you notice?  
- What did you think?  
- Questions, comments  
- What other services have you experienced and how did this compare?  
- What could be better?  
3/12/14   | Final Discussion                                                     | - Discussion regarding final papers  
- What have we learned?  
- What do we want to learn more about?  
- In the future, what should this course do differently? |
| 3/17/14  | No Class Meeting                                                    | 03/19/14 No Class Meeting  
**Paper #2 Due** |

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**Oxytocin-autism-connection**


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**Future issues in policy for individuals with disabilities**

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