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## OT on College Campuses: Emerging Models Facilitating Student Success Through Occupation

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## OT ON COLLEGE CAMPUSES: EMERGING MODELS FACILITATING STUDENT SUCCESS THROUGH OCCUPATION

AOTA ANNUAL CONFERENCE  
APRIL 18, 2015

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## Introduction to Supported Education

### • Learning Objectives

- History
- Literature
- Models of supported education



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## Effect of Psychiatric Illness on Higher Education

- Nearly 4.29 million US residents would have graduated from college if they had not experienced early-onset psychiatric illness.



Bellamy, C., Bybee, D., Collins, Mary., Megivern, D., Mowbray, C., & Szilvagy, S. (2005)

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## Effect of Psychiatric Illness on Higher Education

- 37% withdrawal rate for the general student population
- 86% of students with mental illness withdraw from college before completing their degree



Salzer, Wick, & Rogers, 2008; Salzer, 2012

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## Need for Supported Education

- Public laws mandate the full inclusion of people with disabilities including psychiatric disabilities in educational settings
  - The Americans with Disabilities Act (ADA; U.S. Department of Justice, 2010)
  - Individuals with Disabilities Education Act (IDEA; U.S. Department of Education, 2006)
  - Rehabilitation Act (Special Education and Rehabilitation Services, 2014)
  - These laws ensure access and reasonable accommodations, but do not require the additional services needed to provide the full level of support necessary for success.

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## Need for Supported Education

- The limitations of the current levels of support generated the need for additional support.
- This need is being addressed through SUPPORTED EDUCATION

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## Supported Education (SEd)

• “The provision of individualized, practical support and instruction to assist people with psychiatric disabilities to achieve their educational goals.”



Soydan, A. (2004). Supported education: A portrait of a psychiatric rehabilitation intervention. *American Journal of Psychiatric Rehabilitation, 7*, 227-248.

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## Supported Education

- Three Primary Models
  - Self-contained classrooms
  - On-site services
  - Mobile support services
  - Combined Models

Collins, Bybee, & Mowbray, 1998; Collins, Mowbray, & Bybee, 2000; Mowbray et al., 2005.

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## Self-Contained Model

- **Specialized curriculum**
  - Academic skills
    - Study skills
    - Basic reading and writing
  - Increase confidence
  - Networking



Collins, Bybee, & Mowbray, 1998; Collins, Mowbray, & Bybee, 2000; Mowbray et al., 2005

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## On-Site Model

- Simultaneously attend college and receive supported education services
  - Individual counseling
  - Support group



Collins, Bybee, & Mowbray, 1998; Collins, Mowbray, & Bybee, 2000; Mowbray et al., 2005

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## Mobile Support Model

- CMHC staff travel to students to provide assistance at the educational setting
  - Ongoing support and monitoring
  - Academic tutoring
  - Case management
  - Crisis intervention
  - Advocacy
  - Link between student and college personnel



Collins, Bybee, & Mowbray, 1998; Collins, Mowbray, & Bybee, 2000; Mowbray et al., 2005

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## Literature on Supported Education

- A literature search on supported education located more than 100 articles, but only about 20% of these described program outcomes.
- A close look at the articles reveals that many different outcome measures are used. Schindler and Sauerwald (2013) documented 34 separate outcome measures (e.g., number of classes completed, number of semesters completed, employment following supported education, coping skills).

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**A Historical Sample of Supported Education Outcomes by Authors who have dedicated time to SED**

Author	Outcome
Wolf, J. & DiPietro, S. (1992). From patient to student: SEd programs in southwest Connecticut. <i>Psychosocial Rehabilitation Journal</i> , 15(4), 61-68.	74% attempted 1 college course
Cook, J. A., & Solomon, M. L. (1993). The Community Scholar Program: An outcome study of supported education for students with severe mental illness. <i>Psychosocial Rehabilitation Journal</i> , 17, 83-87. doi: <a href="https://doi.org/10.1037/h0095623">10.1037/h0095623</a>	42% taken 1 class; 47% employed
Hoffman, F. L. & Mastrianni, X. (1993). The role of supported education in the inpatient treatment of young adults: A two-site comparison. <i>Psychosocial Rehabilitation Journal</i> , 17 (1), 109 – 120.	69% returned to college

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**A Sample of Supported Education Outcomes by Authors who have dedicated time to SED**

Mowbray, C. T., Collins, M., Bybee, D. (1999). Supported education for individuals with psychiatric disabilities: Long term outcomes from an experimental study. <i>Social Work Research</i> , 23 (2): 89-102. doi: 10.1093/swr/23.2.89.	24% enrolled in college or vocational program
Unger, K.V., Pardee, R., & Shafer, M.S. (2000). Outcomes of postsecondary supported education programs for people with psychiatric disabilities. <i>Journal of Vocational Rehabilitation</i> , 14, 195-199.	90% of college coursework completed
Rudnick, A., Gover, M. (2009). Combined supported education with supported employment. <i>Psychiatric Services</i> . 60(12): 1690. doi: <a href="https://doi.org/10.1037/h0094573">10.1037/h0094573</a> .	Participants were able to maintain a job earning above min wage for 1 year after completing program
Thompson, C. J. (2013). Supported education as a mental health intervention. <i>Journal of Rural Mental Health</i> , 37(1), 25 <a href="http://dx.doi.org/10.1037/rmh0000003">http://dx.doi.org/10.1037/rmh0000003</a> .	25 participants reported assistance was essential in registration, tuition, and transportation

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**Occupational Therapy-based Supported Education Outcomes**

Gutman, S. A., Schindler, V. P., Furphy, K. A., Klein, K., Lisak, J. M., & Durham, D. P. (2007). The Effectiveness of a Supported Education Program: The Bridge Program <i>Occupational Therapy in Mental Health</i> , 23(1), 21-38.	Of 18 participants, 16 successfully completed the program, and 12 enrolled in further educational coursework.
Gutman, S. A., Kerner, R., Zombek, I., Dulek, C., Ramsey, C. A. (2009). Supported education for adults with psychiatric disabilities: effectiveness of an occupational therapy program. <i>The American Journal of Occupational Therapy</i> , 63(3): 245-254. doi: <a href="https://doi.org/10.5014/ajot.63.3.245">10.5014/ajot.63.3.245</a>	76% completed the program; 53% enrolled in education, obtained employment, or were applying to a program
Stoneman, J., & Lysaght, R. (2010). Supported education: A means for enhancing employability for adults with mental illness. <i>Work</i> , 36, 257-259.	A supported education program specific to training individuals in retail resulted in 20 of 29 participants employed 6 to 24 months after program completion.
Schindler, V. & Sauerwald, C. (2013). Outcomes of a 4-year Program with Higher Education and Employment Goals for Individuals Diagnosed with Mental Illness to Work. <i>A Journal of Prevention, Assessment and Rehabilitation</i> , 46 (3), 325-336. doi: 10.3233/WOR-121548	Participants enrolled in higher education increased from 7 to 11 (pretest = 15%; posttest= 23%), participants employed increased from 5 to 19 (pretest = 10%; posttest= 40%), and the combined category of higher education/employment increased from 12 to 30 (pretest = 25%, posttest= 63%)

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### Expansion of Supported Education Beyond Traditional Mental Health Populations

- Students with Autism Spectrum Disorder diagnosed during their K-12 education, especially Asperger's Disorder.
- A growing body of literature on supported education for these individuals

(Gardner, Mulry, & Chalik, 2012; Quinn, Gleeson, & Nolan, 2014; Schindler, Cajiga, Aaronson, & Salas, 2015; VanBergejik, Klin, & Volkmar, 2008; Zager, & Alpern, 2010).

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### Systematic Reviews and their Conclusions

Rogers, E. S., Kash-MacDonald, M., Bruker, D., & Maru, M. (2010). Systematic Review of Supported Education Literature, 1989 – 2009. Boston: Boston University, Sargent College, Center for Psychiatric Rehabilitation.

A systematic review of supported education literature from 1989-2009 (Rogers, et al., 2010) summarized research on the topic and found that there are very few well-controlled studies of supported education and numerous studies with minimal evaluation data and less rigorous designs. The authors concluded that although there is preliminary evidence that supported education can provide assistance and increase educational attainment of individuals diagnosed with mental illness, there are limited effectiveness data for supported education.

Arbesman, M., & Logsdon, D. W. (2011). Occupational therapy interventions for employment and education for adults with serious mental illness: A systematic review. *American Journal of Occupational Therapy*, 65(3), 238-246. doi:10.5014/ajot.2011.001289

Supported education programs emphasizing goal setting, skill development, and cognitive training result in increased participation in educational pursuits

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### Conclusions

- Meuser and Cook (2012), reflecting on the fact that more than 20 years have passed since the development of the first supported education programs, concluded that research on different approaches has produced encouraging results regarding school-related activity, but there remains little evidence that supported education programs are effective in helping individuals establish careers leading to personally meaningful work.




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## Contribution of OT

• With core concepts of occupational therapy interventions being client-centered and occupation based, occupational therapy can make a definite and unique contribution to supported education.



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## Mission Statement

Rooted in Jesuit ideals, the Doisy College of Health Sciences serves humanity through education, research and engagement.

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### Overview

- What is OTonCampus®?
- How did it start?
- Who are the key "players"?
- Who is served by the program?
- Typical services
- Sample Cases
- Recommended assessments
- Paying for services
- Opportunities on campus

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### What is OTonCampus®?

- College-based occupational therapy practice
- Focus on occupations of college students, goal oriented
- Collaborative
- Focus on transitions/life skills
- Resource for faculty, staff, and students

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### What is OTonCampus® NOT?

- Tutoring service
- Basic academic skills aka handwriting
- Psychotherapy
- Stuck in one location
- Diagnosis or problem-focused

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### How did OTonCampus® start?

- Teen Connection to Social Competency through OT Faculty Practice
- Limited assistance on campus to serve the needs of some students, especially those who have autism
- Strong need for students experiencing difficulty with transitions
- Resource for those who received support in high school.

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### Who are the “key players”?

- Occupational therapists!
- Psychologists
- Counselors
- Campus ministers
- Residence Hall personnel
- Faculty and Staff
- Student Coaches

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### SLU University Counseling Center

- Referrals from counselors for OT services
- Co-treatments, shared clients, and discharge to OT
- Some clients who have been “stuck” start to “move” once they get into OT
- Counselor in office, OT “takes it out on the metaphorical (or actual) road” for the DOING

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### Who is served by the program?

- Students who have documented disabilities
- Students who are experiencing anxiety and difficulty managing stress
- Students having difficulty with organizational skills
- Students who are having difficulty making friends
- Students who are struggling with self-advocacy
- Students having difficulty with transition to independence related to college experience

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### Typical services....

- Residence Hall "home evals"
- Organizational skills, organizing the day
- Exploring alternative strategies
- Life skill training
- Transition to college
- Dealing with stress/anxiety
- Making friends, knowing who is "safe"
- Self-advocacy
- Explore alternative supports (example: Accommodations/strategies)

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### Additional Offerings

#### Home Programs

- The Listening Program
- inTime

#### Group Programs

- HealthRhythms Protocol (wellness)
- Club-based short term groups for specific common goals- cooking, org skills, etc.

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### Sample Cases....

- Sidney: "always in therapy, always something wrong with me, here because I have always been here"
- Sandra: "can't get organized.... I am frozen. I love to rock back and forth to calm myself down- never seen an OT"

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### More Sample Cases

- Bill: "got behind, missed class and then couldn't face the teacher so I never went back"
- Fred: "I love that nobody tells me what to do. I play video games all night. Sometimes I forget to eat and do my class assignments"
- Vin: "having trouble making friends. High school was not like this..."

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### Recommended Assessments...

- Canadian Occupational Performance Measure (COPM)
- Social Responsiveness Scale (SRS-2) Adult Form
- Adolescent/Adult Sensory Profile
- Executive Function Performance Test (EFPT)
- Developmental Test of Visual Perception for Adults (DTVP-A)

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### Paying for Services

- Some covered by University Counseling Services
- If client has a documented diagnosis:
- 97003 (Occupational Therapy Evaluation)
  - 97530 (Therapeutic Activities)
  - 97535 (Self-Care)

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### Opportunities on Campus

- Academic Success Center/Disability Office- customize accommodations to better fit students who need something different
- Crisis Intervention Team: restore routines, assist with coping strategies when suddenly disrupted by a crisis
- Consultations with faculty/staff dealing with challenging students

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### Summary

- Need for services does not end at high school graduation
- Difficulty with transition to higher level of independence/adulthood can lead to high levels of stress and anxiety
- Lots of opportunities for occupational therapists to help college students experience a better, more independent quality of life

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USC University of Southern California USC Chan Division of Occupational Science and Occupational Therapy

## Lifestyle Redesign® for the College Student

**Carlin Daley, OTD, OTR/L**  
 Assistant Professor of Clinical Occupational Therapy  
 USC Division of Occupational Science & Occupational Therapy  
 carlinld@usc.edu

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USC University of Southern California USC Chan Division of Occupational Science and Occupational Therapy

## Program Description

- **Program:** Lifestyle Redesign® for the College Student provides individualized support and coaching throughout the year to help students manage the demands of college life.
- **Population:** Undergraduate and Graduate Students
  - Common diagnoses: ADHD, Depression, Anxiety, chronic health conditions, and various learning disabilities
  - Wellness / Prevention




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USC University of Southern California USC Chan Division of Occupational Science and Occupational Therapy

## Program Objectives

Help students to:

- Optimize study/work environments
- Increase organizational skills
- Improve time management
- Decrease procrastination
- Increase focus
- Learn techniques to handle stress
- Improve social connections
- Set appropriate goals
- Better manage chronic conditions
- Develop healthy eating & exercise habits
- Create a balanced lifestyle




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USC University of Southern California USC Chan Division of Occupational Science and Occupational Therapy

### Typical Process

- Initial Interview (Semi-structured)
  - Basic Information
  - Health Info/ Diagnosis/ Medication/ Accommodations
  - Time Management
  - Meaningful Occupations
  - Coping Skills
  - Environment
  - Energy
  - Focus
  - Learning/Executive Functioning Skills
  - Strengths
- Goal Setting (Long & Short Term)
- Consistent Meetings



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USC University of Southern California USC Chan Division of Occupational Science and Occupational Therapy

### Typical Session

- Welcome & Check In
  - Rapport
  - Accountability
- Client Centered
- Occupation Centered
- Toolkit of Topics

“Tell me about the week? What went well?”  
“How did it go with the goal we set last week?”  
“What would you like to work on today?”

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USC University of Southern California USC Chan Division of Occupational Science and Occupational Therapy

### How does it work?

#### USC Occupational Therapy Faculty Practice

- **Referrals:**
  - Self-referral, Psychologist/ Psychiatrist, Primary care physician (Student Health)
- **Payment:**
  - Student Health Insurance (or other insurance)
  - 26 visits/year covered by Student Health
  - Co-pay or deductible applies
  - Private pay

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USC University of Southern California USC Chan Division of Occupational Science and Occupational Therapy

## New Opportunities: Increasing OT Presence on Campus

- **USC Disability Services and Programs**
  - Case Conference
  - Documentation Review
  - Case Management
- **USC Kortschak Center for Learning & Creativity**
  - Academic Coach Training
  - Student Intakes
  - Workshop Development
- **Veteran Resource Center (VRC)**

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## Strategies to Increase Awareness

- In-Services & Guest Lectures
- Wellness Workshops
- Stress Management Fairs
- OT on Call
- Campus Partnerships:
  - Counseling Center
  - Campus Fitness Center
  - Student Judicial Affairs & Community Standards
  - Residential Education
  - Orientation Programs


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*L.I.F.E*  
*Live It Fully Everyday*

Occupational Therapy for College Students

Dr. Karen McCarthy

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**Video**



University College Cork, Ireland  
Coláiste na hOllscoile Corcaigh

• [L.I.F.E Program at University College Cork](#)




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**Environment**



University College Cork, Ireland  
Coláiste na hOllscoile Corcaigh

- College campus & lived environment
  - DSS office
  - Library
  - Coffee shop
  - Gym
  - Or other social spaces where occupations happen!




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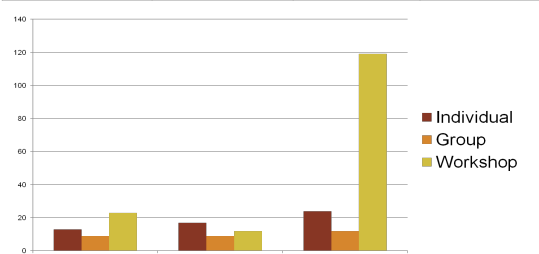
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**Number of Students Using OT Services**

	Sept 2013- Dec 2013	Jan 2014- Mar 2014	Sept 2014- Dec2014
Individual	13	14	25
Group	9	9	12
Workshop	23	12	119
<b>Total</b>	<b>45</b>	<b>33</b>	<b>156</b>



Legend: Individual (dark red), Group (orange), Workshop (yellow)

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### UCC University College Cork, Ireland Coláiste na hOllscoile Corcaigh

## OT Process

- Referral
- Initial Assessment:
  - Interview
  - COPM
  - Goal Setting
- Intervention
- Outcomes: COPM, retention rates, group surveys
- Intervention tools:
  - WRAP, Leisure Interest Checklist, Adolescent/Adult Sensory Profile
  - Motivational Interviewing

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### UCC University College Cork, Ireland Coláiste na hOllscoile Corcaigh

## OT Process: Referral

- Reasons for Referral

Reason	Sept 2013- Mar 2014	June 2014- Dec 2014
ADHD	4	2
Dyspraxia	1	3
Dyslexia	6	3
Depression	5	5
Anxiety	5	1
Asperger's Syndrome	4	3
Eating Disorder	3	2
Psychosis	2	6
Ongoing Illness	6	5
Physical Disability	1	2

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### UCC University College Cork, Ireland Coláiste na hOllscoile Corcaigh

## COPM & Goal Setting

Change in COPM Scores, n=26

Category	Average Increase
Average increase in PERFORMANCE	3.05
Average increase in SATISFACTION	3.17

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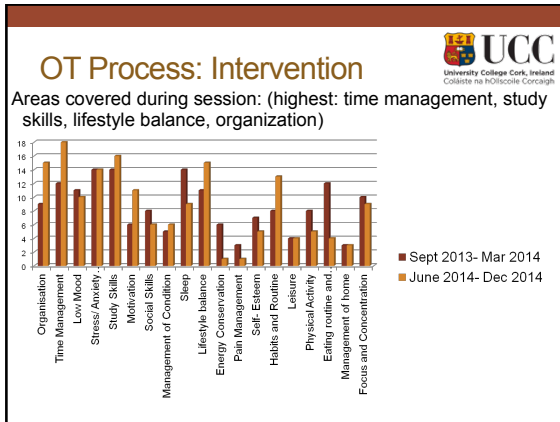
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### Personnel Providing Services

<b>1 x Occupational Therapist</b>	<b>15 hours a week</b>
<b>2 x 3<sup>rd</sup> Year Placement Students</b>	<b>30 hours a week/ 10 weeks; End Sept- Start Dec</b>
<b>2 x 4<sup>th</sup> Year Placement Students</b>	<b>30 hours a week/10 weeks; Jan-March</b>
<b>1x Senior Occupational Therapist</b>	<b>Mentorship and supervision weekly</b>

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### OT as Part of a Wellness Community

- Campus Collaborations-
  - student organizations, health promoting university initiative, student counseling, student health, student welfare officer, campus wellbeing coordinator
- Wellness events:
  - Disability Awareness Week
  - RAG week- Mindfulness Marathon
  - Guinness World Record Attempt: Hula Hoop event to promote mental health awareness

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### Guinness World Record Attempt:



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### New Directions: Life Skills Module

- UCC4U- pilot life skills module for 2<sup>nd</sup> year students, hoping it will be a for credit module
- <http://www.ucc.ie/en/studentexperience/ucc4u/>

**UCC4U**  
UCC4U is a module designed for second year students to enhance life skills outside of the classroom.

Peer support and active listening skills

Emotional resilience and stress management

Career Skills

Financial skills

Harness your strengths

Leadership and teamwork skills

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TOWSON UNIVERSITY  
OCCUPATIONAL THERAPY  
STUDENTS AS  
PEER PARTNERS  
ON CAMPUS:  
CHANGING SOCIAL  
CONTEXT

Lisa Crabtree, PhD, OTR/L  
Associate Professor  
Occupational Therapy & Occupational Science  
Towson University

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## Institute for Well-Being

Occupational Therapy Center

Hussman Center for Adults with Autism



Speech Language Hearing Center

Wellness Center

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## Mission Statement

The Institute for Well-Being is an integral part of the College of Health Professions and supports excellence in applied educational experiences for students at Towson University. The Institute's faculty and staff provide a wide range of professional and inter-professional opportunities that

develop and evaluate best practices,  
promote professional development,  
facilitate research, and  
enhance the lives of community members

through outreach programs.

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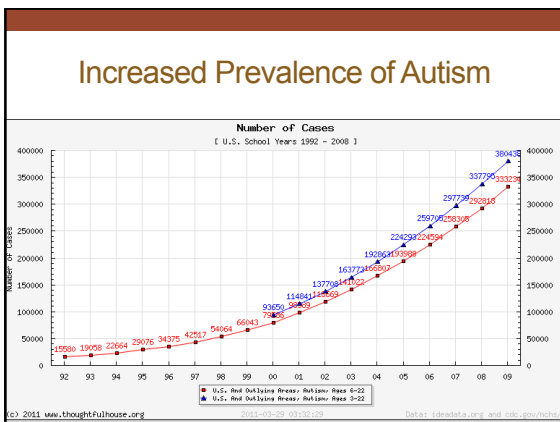
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### Issues for Adults with Autism

Communication



Isolation

Initiating social interaction



Intimacy and social connectedness

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### Student Issues

Organizing time




Balancing deep interests with other tasks



Task completion

Resource management



Classroom etiquette

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“What disables people with autism... is the contextual barriers built around them”

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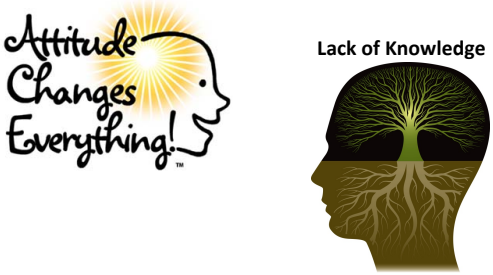
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# BARRIERS =

Attitude Changes Everything!

Lack of Knowledge



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## Transformative Learning

- The process of revising one's assumptions that in turn revises one's thinking and action (Taylor, 2008)
- A response to an experience...that 'forces us to relate it in a sharply different way' (Daloz, 1999)
- Promotes autonomous, socially responsible thinkers, rather than those who uncritically act on the received ideas and judgment of others (Mesirow, 1997)

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## Inter-Professional Partnerships

### Service Learning

Research

Class projects

Internships



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### Assessment

- Students on the autism spectrum
  - Goal Attainment Scaling
  - Transition Planning Inventory
  - PATH Process
- Student peer mentors
  - Attitudes Towards people with Autism
  - Mentor Perceived Knowledge Assessment

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### Participant Feedback

- “Some of us communicate our thoughts with greater struggle than others, but we all have something to say. The true test of any program or organization aiming to support autistic people is the approval of the autistic people being served.”
- “To have an outlet to interact with people who have similar issues is great.”

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### Student Feedback



“I had an opportunity to learn a lot about autistic adults. Now I’m much more passionate about putting forth efforts to **serve as an advocate for autistic people.**”

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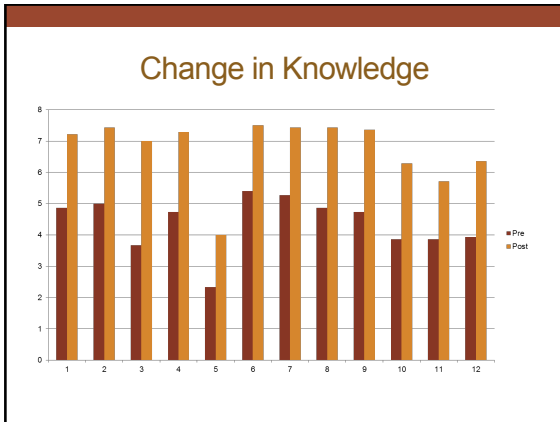
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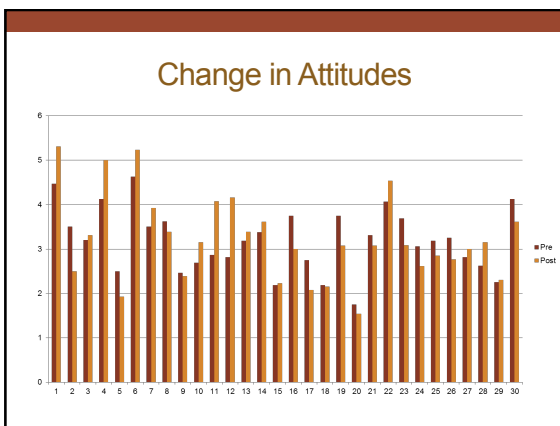
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### Final Words

As a community of diverse individuals, we can all make a difference in how young adults on the autism spectrum feel accepted, included, and supported.

Each of us can assist them in leading productive and fulfilling lives as integrated members within their communities.

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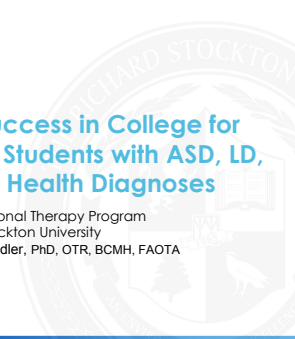
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**Facilitating Success in College for Undergraduate Students with ASD, LD, and Mental Health Diagnoses**

Occupational Therapy Program  
Stockton University  
Victoria P. Schindler, PhD, OTR, BCMH, FAOTA



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**Agenda**

- Course Description
- Course Format
- Outcomes
- Student Experiences



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**Description of Program/  
Course**



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**Description**

- Supported Education Program / Credit-bearing Course (Skills for Success Course)
- Conducted within OT program at Stockton University
- Purpose: Assist Stockton University students diagnosed with Learning Disabilities, Autism-Spectrum Disorders, and Mental Health Diagnoses to be successful at Stockton or to develop an alternative, meaningful plan.

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**Description**

- Began in 2005
- Currently in the 10th YEAR
- Participant enrollment
  - Transition
    - Community participants
    - Stockton students

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**Description**

- FALL and SPRING Semesters
  - Tuesdays and Thursdays – 2:30 – 4:20pm
  - 2 or 4 credit course; meets 8 credits of graduation requirements
  - Payment: Incorporated into flat rate tuition if student is full-time
  - 21 mentoring spots per semester
- Dual Program
  - 2<sup>nd</sup> Year Master's Level Occupational Therapy Students
    - Research Curriculum
    - Mental Health Fieldwork
  - Undergraduate Students
    - General Studies course (can meet two requirements)
    - Continuation

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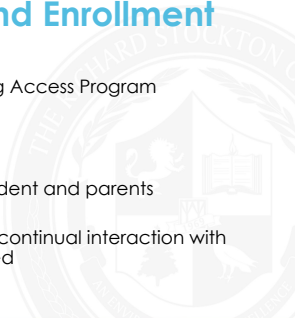
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### Referral and Enrollment

- Referral Process
  - Stockton Learning Access Program
  - Stockton website
  - Word of mouth
- Enrollment Process
  - Interview with student and parents
  - Syllabus
  - FERPA; allows for continual interaction with parents as needed



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### Course Format

- Mentoring
- Assignments



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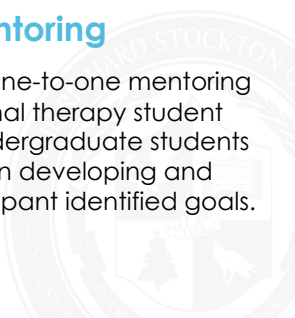
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### Mentoring

- **Mentoring** - One-to-one mentoring pairs occupational therapy student mentors with undergraduate students and is focused on developing and achieving participant identified goals.



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## Mentoring

- Begins with an Assessment
  - Canadian Occupational Performance Measure
    - (Law et al., 2005)
  - Identify Strengths and Areas of Need
- Setting Goals
  - Typically 3 Long Term Goals
  - Achievable in 14 weeks
- Systematic Work Toward Goals




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## Mentoring

- Supervised process
- Documentation




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## Goals

- **Educational Goals:**
  1. Time Management and Organization of Assignments
  2. Academic Skills
    1. Study Skills
    2. Writing Skills
    3. Presentation Skills
  3. Social Comfort and Skills with Professors, Administrators and Staff, and Peers




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### Goals

- Vocational Goals:
- Secondary to Higher Ed Goals (Part-time job search, resume, applications)
- Healthy Living Goals (as they are necessary for Higher Ed goals):
  - Healthy Eating, Leisure and Recreation, Social Relationships



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### Interventions

- Time Management and Organization
- Academic Skills
- Social Aspects of College Life

**Initial and Weekly Interventions**

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### Skills for Success Course ASSIGNMENTS

1. Academic Skills – written papers
2. Paired assignment – academic resources
3. Attendance
4. Weekly Preparation for Mentoring Form
5. Professional Behaviors Form

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Outcomes



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OUTCOMES  
Student Videos  
Preston



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OUTCOMES

- Number of Semesters in the Program
  - Range 1-7 semesters
    - ▣ Includes full-time, part-time, transfer students
  - Mean: 2.48 semesters



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### OUTCOMES - Mentees

- COPM results
- Achievement of Goals
- GPA
- Retention rate
- Graduation Rate



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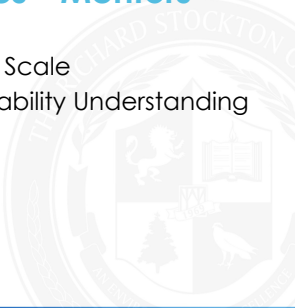
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### Outcomes - Mentors

- Student Comfort Scale
- Mental Illness Disability Understanding Scale (MIDUS)



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### Characteristics Impacting Success

- Cognitive
  - Time Management and Org, Study Skills, Reading Skills, Writing Skills
  - Ability to adapt to varying structure, demand, and format between courses
  - Manageable course load
- Psychological
  - Mental Health Symptoms
  - Self-confidence and self-esteem
- Social
  - Interact with Professors, Peers, Small Groups
  - Residential and Campus Life
  - Supports
- Behavioral
  - Internal vs. External Motivation
  - Openness to Feedback
  - Willingness to Follow Direction
- Life Circumstances



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### Questions?

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### References

Arbesman, M., & Logsdon, D. W. (2011). Occupational therapy interventions for employment and education for adults with serious mental illness: A systematic review. *American Journal of Occupational Therapy, 65*(3), 238-246. doi:10.5014/ajot.2011.001289

Bellamy, C.D., Bybee, D., Collins, M.E., Megivern, D.A., Mowbray, C.T., & Szibvagi, S. (2005). Supported education for adults with psychiatric disabilities: An innovation for social work and psychosocial rehabilitation practice. *Social Work, 50*, 362-384.

Collins, M. E., Bybee, D., & Mowbray, C. T. (1998). Effectiveness of supported education for individuals with psychiatric disabilities: Results from an experimental study. *Community Mental Health Journal, 34*, 595-613. doi: 10.1023/A:1018763018186

Collins, M. E., Mowbray, C. T., & Bybee, D. (2000). Characteristics predicting successful outcomes of participants with severe mental illness in supported education. *Psychiatric Services, 51*, 774-780.

COPM: Law, M., Baptiste, M., Carswell, A., McCall, M., Polatjko, H., & Pollock, N. (2005). *The Canadian Occupational Performance Measure (COPM)* (4<sup>th</sup> ed.). Ottawa: CAOT Publications, ACE.

Gardner, J., Muly, C. M., & Chalik, S. (2012). Considering college? Adolescents with Autism and learning disorders participate in an on-campus service-learning program. *Occupational Therapy in Health Care, 26*, 257-269. doi:10.3109/07380571.2012.720052

Gutman, S. A., Schindler, V. P., Furphy, K. A., Klein, K., Lisak, J. M., & Durham, D. P. (2007). The Effectiveness of a Supported Education Program: The Bridge Program. *Occupational Therapy in Mental Health, 23*(1), 21-38.

Gutman, S. A., Kerner, R., Zombek, I., Dalek, C., Ramsey, C. A. (2009). Supported education for adults with psychiatric disabilities: effectiveness of an occupational therapy program. *The American Journal of Occupational Therapy, 63*(3): 245-254. doi:

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