



COOPERATIVE INSTITUTIONAL RESEARCH PROGRAM  
*at the* HIGHER EDUCATION RESEARCH INSTITUTE AT UCLA

## **CIRP Factor Technical Report**

### **2018-19 Appendix**

# **Diverse Learning Environments (DLE) Survey**

## TABLE OF CONTENTS

Sense of Belonging	3
General Interpersonal Validation	4
Academic Validation in the Classroom	5
Institutional Commitment to Diversity	6
Critical Consciousness and Action	7
Harassment	8
Discrimination and Bias	9
Conversations Across Difference	10
Curriculum of Inclusion	11
Co-Curricular Diversity Activities (Campus-facilitated)	12
Habits of Mind	13
Pluralistic Orientation	14
Civic Engagement	15
Social Agency	16
Academic Self-Concept	17

## Sense of Belonging

*Measures the extent to which students feel a sense of academic and social integration on campus.*

	Factor Loadings
Opinion: I feel a sense of belonging to this campus	0.911
Opinion: I feel that I am a member of this college	0.846
Opinion: If asked, I would recommend this college to others	0.608

\* Cronbach's a = 0.864

**DLE - Please indicate the extent to which you agree or disagree with the following statements:**

*(Response options: Strongly Disagree, Disagree, Agree, Strongly Agree)*

I feel a sense of belonging to this campus

I feel that I am a member of this college

If asked, I would recommend this college to others

## General Interpersonal Validation

*A unified measure of students' view of faculty and staff's attention to their development.*

	Factor Loadings
Opinion: At least one faculty member has taken an interest in my development	0.838
Opinion: Faculty believe in my potential to succeed academically	0.798
Opinion: At least one staff member has taken an interest in my development	0.796
Opinion: Faculty empower me to learn here	0.633
Opinion: Staff encourage me to get involved in campus activities	0.552

\* Cronbach's  $\alpha$  = 0.867

**DLE - Please indicate the extent to which you agree or disagree with the following statements:**

*(Response options: Strongly Disagree, Disagree, Agree, Strongly Agree)*

At least one faculty member has taken an interest in my development

Faculty believe in my potential to succeed academically

At least one staff member has taken an interest in my development

Faculty empower me to learn here

Staff encourage me to get involved in campus activities

### Academic Validation in the Classroom

*Measures the extent to which students' view of faculty actions in class reflect concern for their academic success.*

	Factor Loadings
Validation: Felt that my contributions were valued	0.860
Validation: Felt that faculty provided me with feedback that helped me assess my progress in class	0.858
Validation: Felt that faculty encouraged me to ask questions and participate in discussions	0.796
Validation: Faculty were able to determine my level of understanding of course material	0.775

\* Cronbach's  $\alpha$  = 0.893

**DLE - Please indicate how often you have experienced the following in class at this college:**

*(Response options: Never, Seldom, Sometimes, Often, Very Often)*

Felt that my contributions were valued

Felt that faculty provided me with feedback that helped me assess my progress in class

Felt that faculty encouraged me to ask questions and participate in discussions

Faculty were able to determine my level of understanding of course material

### Institutional Commitment to Diversity

*A measure of a student's perception of the campus' commitment to diversity.*

	Factor Loadings
Inst Diversity: Promotes the appreciation of cultural difference	0.829
Inst Diversity: Has a long standing commitment to diversity	0.783
Inst Diversity: Accurately reflects the diversity of the student body in publications (e.g., brochures, website)	0.752
Inst Diversity: Has campus administrators who regularly speak about the value of diversity	0.644

\* Cronbach's  $\alpha$  = 0.857

**DLE - Please indicate the extent to which you agree or disagree with the following statements.**

**This college:**

*(Response options: Strongly Disagree, Disagree, Agree, Strongly Agree)*

Promotes the appreciation of cultural difference

Has a long standing commitment to diversity

Accurately reflects the diversity of the student body in publications (e.g., brochures, website)

Has campus administrators who regularly speak about the value of diversity

### Critical Consciousness and Action

*A unified measure of how often students critically examine and challenge their own and others' biases.*

	Factor Loadings
Action: Make an effort to educate others about social issues	0.742
Action: Critically evaluate my own privilege on an issue in regards to race/ethnicity, class, or immigration status	0.724
Action: Recognize the biases that affect your own thinking	0.693
Action: Challenge others on issues of discrimination	0.644
Action: Feel challenged to think more broadly about an issue	0.595
Action: Make an effort to get to know people from diverse backgrounds	0.513

\* Cronbach's  $\alpha$  = 0.814

<b>DLE – How often in the past year did you:</b> <i>(Response options: Not at All, Occasionally, Frequently)</i>
Make an effort to educate others about social issues
Critically evaluate my own privilege on an issue in regards to race/ethnicity, class, or immigration status
Recognize the biases that affect your own thinking
Challenge others on issues of discrimination
Feel challenged to think more broadly about an issue
Make an effort to get to know people from diverse backgrounds

## Harassment

*Measures the frequency that students experience threats or harassment.*

	Factor Loadings
Discrim Type: Physical assaults or injuries	0.859
Discrim Type: Threats of physical violence	0.824
Discrim Type: Anonymous phone calls	0.759
Discrim Type: Damage to personal property	0.710
Discrim Frequency: Reported an incident of sexual harassment to a campus authority	0.693
Discrim Frequency: Reported an incident of discrimination to a campus authority	0.634

\* Cronbach's  $\alpha$  = 0.879

**DLE – Please indicate how often you have personally experienced the following forms of bias/harassment/discrimination at this college:**

*(Response options: Never, Seldom, Sometimes, Often, Very Often)*

Physical assaults or injuries

Threats of physical violence

Anonymous phone calls

Damage to personal property

**DLE – At this college, how often have you:**

*(Response options: Never, Seldom, Sometimes, Often, Very Often)*

Reported an incident of sexual harassment to a campus authority

Reported an incident of discrimination to a campus authority



## Discrimination and Bias

*Measures the frequency of students' experiences with more subtle forms of discrimination.*

	Factor Loadings
Discrim Type: Verbal comments	0.768
Discrim Frequency: Witnessed discrimination	0.703
Discrim Type: Cyberbullying (e.g., emails, texts, social media)	0.693
Discrim Type: Exclusion (e.g., from gatherings, events)	0.689
Discrim Type: Offensive visual images or items	0.703

\* Cronbach's  $\alpha$  = 0.876

**DLE – Please indicate how often you have personally experienced the following forms of bias/harassment/discrimination at this college:**

*(Response options: Never, Seldom, Sometimes, Often, Very Often)*

Verbal comments

Cyberbullying (e.g., emails, texts, social media)

Exclusion (e.g., from gatherings, events)

Offensive visual images or items

**DLE – At this college, how often have you:**

*(Response options: Never, Seldom, Sometimes, Often, Very Often)*

Witnessed discrimination

### Conversations Across Difference

*Measures how often students have in-depth conversations with diverse peers.*

	Factor Loadings
Interact: From a socioeconomic class different from your own	0.737
Interact: From a religion different from your own	0.712
Interact: Of a sexual orientation different from your own	0.663
Interact: From a country other than your own	0.588
Interact: With a disability	0.428
Action: Discuss issues related to sexism, gender differences, or gender equity	0.426

\* Cronbach's  $\alpha$  = 0.752

<b>DLE – How often in the past year did you interact with someone:</b> (Response options: Not at All, Occasionally, Frequently)
From a socioeconomic class different from your own
From a religion different from your own
Of a sexual orientation different from your own
From a country other than your own
With a disability
<b>DLE – How often in the past year did you:</b> (Response options: Not at All, Occasionally, Frequently)
Discuss issues related to sexism, gender differences, or gender equity

### Curriculum of Inclusion

*Measures the number of courses a student has taken that include materials and pedagogy addressing diversity.*

	Factor Loadings
Course Type: Material/readings about race/ethnicity	0.830
Course Type: Materials/readings about socioeconomic class differences	0.816
Course Type: Materials/readings about privilege	0.769
Course Type: Materials/readings about sexual orientation	0.777
Course Type: Materials/readings about gender/gender identity	0.770
Course Type: Opportunities for intensive dialogue between students with different backgrounds and beliefs	0.687
Course Type: Materials/readings about disability	0.605
Course Type: Opportunities to study and serve communities in need (e.g., service learning)	0.472

\* Cronbach's a = 0.894

<b>DLE – How many courses have you taken at this college that included the following?</b> <i>(Response options: None, One, 2-4, 5 or more)</i>
Material/readings about race/ethnicity
Materials/readings about socioeconomic class differences
Materials/readings about privilege
Materials/readings about sexual orientation
Materials/readings about gender/gender identity
Opportunities for intensive dialogue between students with different backgrounds and beliefs
Materials/readings about disability
Opportunities to study and serve communities in need (e.g., service learning)

### Co-Curricular Diversity Activities (Campus-facilitated)

*A measure of students' involvement with institutional programs focused on diversity issues.*

	Factor Loadings
Act in Past: Participated in ongoing campus-organized discussions on racial/ethnic issues (e.g., intergroup dialogue)	0.919
Act in Past: Participated in Campus Center activities (e.g., LGBTQ+, Racial/Ethnic, Cultural, Women's/Men's, Religious, Disability Centers)	0.827
Act in Past: Attended events focused on diversity (e.g., presentations, performances, art exhibits, debates)	0.818

\* Cronbach's  $\alpha$  = 0.894

<b>DLE – Since entering college, how often have you:</b> (Response options: Never, Seldom, Sometimes, Often, Very Often)
Participated in ongoing campus-organized discussions on racial/ethnic issues (e.g., intergroup dialogue)
Participated in Campus Center activities (e.g., LGBTQ+, Racial/Ethnic, Cultural, Women's/Men's, Religious, Disability Centers)
Attended events focused on diversity (e.g., presentations, performances, art exhibits, debates)

### Habits of Mind

***A unified measure of the behaviors and traits associated with academic success. These behaviors are seen as the foundation for lifelong learning.***

	Factor Loadings
Habits of Mind: Seek solutions to problems and explain them to others	0.706
Habits of Mind: Evaluate the quality or reliability of information you received	0.701
Habits of Mind: Support your opinions with a logical argument	0.660
Habits of Mind: Seek alternative solutions to a problem	0.659
Habits of Mind: Take a risk because you feel you have more to gain	0.582
Habits of Mind: Ask questions in class	0.545
Habits of Mind: Explore topics on your own, even though it was not required for a class	0.591
Habits of Mind: Accept mistakes as part of the learning process	0.540
Habits of Mind: Look up scientific research articles and resources	0.509

\* Cronbach's  $\alpha$  = 0.864

#### **DLE - How often in the past year did you:**

*(Response options: Frequently, Occasionally, Not at all)*

Ask questions in class

Support your opinions with a logical argument

Seek solutions to problems and explain them to others

Evaluate the quality or reliability of information you received

Take a risk because you feel you have more to gain

Seek alternative solutions to a problem

Look up scientific research articles and resources

Explore topics on your own, even though it was not required for a class

Accept mistakes as part of the learning process

## Pluralistic Orientation

*Measures the skills and dispositions appropriate for living and working in a diverse society.*

	Factor Loadings
Diversity Rating: Tolerance of others with different beliefs	0.716
Diversity Rating: Openness to having my own views challenged	0.716
Diversity Rating: Ability to work cooperatively with diverse people	0.701
Diversity Rating: Ability to discuss and negotiate controversial issues	0.671
Diversity Rating: Ability to see the world from someone else's perspective	0.658

\* Cronbach's a = 0.820

<b>DLE – How would you currently rate yourself in the following areas:</b> <i>(Response options: A Major Weakness, Somewhat Weak, Average, Somewhat Strong, A Major Strength)</i>
Tolerance of others with different beliefs
Openness to having my own views challenged
Ability to work cooperatively with diverse people
Ability to discuss and negotiate controversial issues
Ability to see the world from someone else's perspective

## Civic Engagement

*Measures the extent to which students are involved in civic, electoral, and political activities.*

	Factor Loadings
Act in Past: Demonstrated for a cause (e.g., boycott, rally, protest)	0.770
Act in Past: Publicly communicated your opinion about a cause (e.g., blog, email, petition)	0.732
Act in Past: Discussed politics	0.574
Act in Past: Performed community service	0.549

\* Cronbach's  $\alpha$  = 0.816

### **DLE – Since entering this college, how often have you:**

*(Response options: Never, Seldom, Sometimes, Often, Very Often)*

Demonstrated for a cause (e.g., boycott, rally, protest)

Publicly communicated your opinion about a cause (e.g., blog, email, petition)

Discussed politics

Performed community service

## Social Agency

*Measures the extent to which students value political and social involvement as a personal goal.*

	Factor Loadings
Goal: Influencing the political structure (e.g., voting, education campaigns, get-out-the-vote efforts)	0.773
Goal: Working to correct social and economic inequalities	0.649
Goal: Influencing social values	0.684
Goal: Helping to promote racial understanding	0.633
Goal: Working to achieve greater gender equity	0.558

\* Cronbach's a = 0.821

<b>DLE – Please indicate the importance to you personally of each of the following:</b> <i>(Response options: Not Important, Somewhat Important, Very Important, Essential)</i>
Influencing the political structure (e.g., voting, education campaigns, get-out-the-vote efforts)
Working to correct social and economic inequalities
Influencing social values
Helping to promote racial understanding
Working to achieve greater gender equity



### Academic Self-Concept

*A unified measure of students' beliefs about their abilities and confidence in academic environments.*

	Factor Loadings
Self Rating: Academic ability	0.808
Self Rating: Self-confidence (intellectual)	0.670
Self Rating: Drive to achieve	0.559
Self Rating: Mathematical ability	0.528

\* Cronbach's  $\alpha = 0.725$

**DLE – Rate yourself on each of the following traits as compared with the average person your age. We want the most accurate estimate of how you see yourself:**

*(Response options: Lowest 10%, Below Average, Average, Above Average, Highest 10%)*

Academic ability

Self-confidence (intellectual)

Drive to achieve

Mathematical ability