The Wiedman Fitness Center

Interior Design Strategies That Create a Co-ed College Fitness Setting that is Comfortable for All Genders



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Query

What role do gender related discomforts play in comfortability in co-ed, college fitness settings and how can spatial allocation, acoustics, and other design elements be utilized to eliminate these barriers?







Why is This Important?

- Environmental discomfort around gender is an aspect that keeps many from utilizing fitness centers
- A wide range of diseases can be prevented by physical activity.
- Physical exercise is a significantly gendered health behaviour.
- This imbalance exists relating to muscle-building and moderate to strenuous levels of exercise.
- Positive health impacts are not being realized.
- There are limited solutions on the market that don't involve isolation of genders.

Literature Review

5 Key Variables Literature Review + Research Agenda



Gender in Fitness Settings



Barriers to Comfort



Active Comfort Aids



Effectiveness of Design Elements



Desired Elements of Function

GENDER IN THE GYM + GYM CULTURE



- Men's vs. Women's motivations for going to the gym
- Cardiovascular activity and weight training are categorized as feminine/masculine
- Connection between gendered body ideals and participation in weightlifting
- The perception of the gym as a hyper-masculine setting
- Little is understood about the socio-spatial processes that take place in gyms
- Who is included in or excluded from particular workout environments and activities

SOCIO-SPATIAL PROCESSES IN FITNESS

Three socio-spatial processes tied to the genderment of physical activity:

- 1. Achieving gender expectations
- 2. Patrolling gender performance
- 3. Establishing gender relations in space

Laying the foundation for normalization of gender variance in exercise participation.

BARRIERS TO COMFORT

Evaluation, Comparison, Ineptitude.



Evaluation

Feeling scrutinized and/or judged by others

Comparison

Judging oneself against the others, comparing oneself to others, and/or feeling that one does not measure up to others

Ineptitude

Feeling a lack of experience or expertise

Site Introduction

Spatial Context









Existing Conditions

Research Agenda

Survey Distribution





SCAN THE OR CODE





Surveyed Gendered Identity





61.5%

of respondents expressed they are not entirely comfortable in co-ed fitness environments.





Surveyed Discomfort in Fitness Settings

The element perceived as least functional:

Ability to see how busy the gym is prior to entering =

The element perceived as most functional:

Cleanliness



Surveyed Desired Elements



Cleanliness

Free Weights



Ability to See Busyness Prior to Entering



Organization



Clear Sense of Equipment Location



Weight Machines



Cardio Machines

Visibility Analysis





Congestion Analysis





Creative Agenda

Concept Statement

"

A welcoming space that fosters comfort for users of all identities and experiences. More specifically, a fitness setting that is comfortable and functional for all genders.

"



User Profiles



Justin, 18 Cisgender Male

Gym Use

Frequency 6 Times/Week

Type Strength Training/Weightlifting

Notes

Competes in Weightlifting through RIT's Barbell Club and is very comfortable in fitness settings. Justin has found a sense of community within RIT's gym.

Justin, 18 Cisgender Male

Problem

The Barbell Club can make a lot of noise

As the weightlifting club tends to lift quite heavy they make a lot of noise dropping weights. Additionally, they communicate throughout their lifts which is sometimes affected by the excessive noise within the gym.

Solution

Improved acoustics + sound absorption

Implementing more acoustic materials within the space (especially in squat rack areas) as well as other methods of sound absorption.

Location:





Solution 01 Acoustics

- Acoustic Materials
 - Applied to all columns
 - Flooring in areas where weights may frequently be dropped
- Acoustic Ceiling Clouds
- Acoustic Lighting Fixtures

Solution 01: Acoustics



Stella, 29 Transgender Female

Gym Use

Frequency Never

Type N/A

Notes

Stella is a graduate student who is not at all comfortable in gym environments; has worries of criticism and judgment. She would love the ability to work towards a healthier lifestyle but is not comfortable in RIT's gym as it stands.



Location:





Stella, 29 Transgender Female

Problem

Worries of criticism and judgment

Stella is not confident in her abilities within the gym environment and believes that other users of the space will judge her if they see are able to see this.

Solution

Reduced visibility options

Offering more privacy for Stella to learn, on her own, with more comfort. Additionally, offering educational materials that she can easily access on her own.

Solution 02 Reduced Visibility

- Covers applied to some treadmills and all stair-climbers for additional privacy
 - Limiting consciousness of others looking
- Additional partial walls to create more separation between different areas

Solution 02: Reduced Visibility



Solution 02: Reduced Visibility



Solution 02: Reduced Visibility





Jude, 21 Nonbinary

Gym Use

Frequency 3 Times/Week

Type Light Cardio and Some Exercise Machines

Notes

Jude is very nervous in all gym environments but has aspirations of a healthier lifestyle. They are more comfortable sticking to machines.

Jude, 21 Nonbinary

Problem

Nervous in gym settings; would like to learn machines Jude is very nervous in gym environments and wishes to start by using the machines because that feels less vulnerable to them. Jude has limited gym experience and is only familiar with a few machines so far.

Solution

Instruction on machines via an application

Offering guidance on machines that are new to Jude without forcing them step further outside their comfort zone to ask another user or staff member.

Location:




Solution 03 Machine Instruction

- Simple access to an online interface via QR codes placed by machines around the gym
- The interface outlines how to set up and use unfamiliar equipment

Solution 03: Machine Instruction



Delilah, 23 Cisgender Female

Gym Use Frequency 6 Times/Week

Туре

Strength Training, Endurance Training, and Cardio

Notes

On top of her participation in the gym environment, Delilah additionally is a member of RIT's Volleyball Team.



Location:





Delilah, 23 Cisgender Female

Problem

Congestion

Delilah has limited time in her schedule to make it to the gym and doesn't have the privilege of avoiding peak times. She often deals with congestion of popular areas.

Solution

Replacing unused equipment with more popular machinery Implementing more of popular equipment and areas and reducing the less so.

Clarifying Spaces; Workout vs. Circulation

Creating clarity of stationary/circulation areas to ensure users aren't disrupting each other & help users move through the space confidently.

Solution 04 Clarifying Spaces

- Adding more of popular equipment such as squat racks
- Implementing pathways imbedded into the flooring
- Incorporation of ground labels for ease of direction for users who may be unfamiliar/new to with the space

Solution 04 A: Replacing Unused Equipment



Solution 04 B: Clarifying Spaces



Solution 04 B: Clarifying Spaces





Elijah, 42 Cisgender Male

Gym Use

Frequency 2-3 Times/Week

Type Strength Training and Cardio

Notes

Elijah is a Mechanical Engineering professor at RIT. He likes to take advantage of the on-campus fitness facilities but sometimes feels awkward working out in front of the students. Elijah, 42 Cisgender Male

Problem

Feels awkward working out in the same environment as students Appreciates the value and convenience of having access to RIT's fitness facilities but would like to find times to go when there is a lower chance of running into his students there.

Solution

Access to interface outlining live facility occupancy

An easy to use interface that shows how many people are currently in the gym. This would allow Elijah to avoid peak times at the gym and limit the chances of running into his students.

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Tools



Live Occupancy



Equipment Tutorials



Interactive Gym Map



THANK YOU