

What is "studio"?

- * In architecture and landscape architecture, "studio" describes a course in which students primarily work on a design concept for a theoretical project on a real site
 - * No scheduled lectures
 - * The instructor spends the majority of the time in individual or group critiques on the design
 - * Students refine their design and research materials
 - * Presentations, often to external critics, focus on the design aesthetic rather than considerations such as cost, feasibility, or public acceptance

What is "studio"?

- * While architecture studios emphasize strong conceptual design, working iteratively with the professor, and peer-based learning with observation and critique, planning studios emphasize the team process, working iteratively with a client, and team-based learning (Senbel 2012)
- * Planning studios take more collaborative approaches to problem solving, including facilitating discussions with community members, so healthy group dynamics are critical (Kotval 2003)
- * The outcome in many planning studios is often a communitysupported proposal, report, or design concept rather than a refined design reflecting an individual student's tastes or preferences

What is experiential learning?

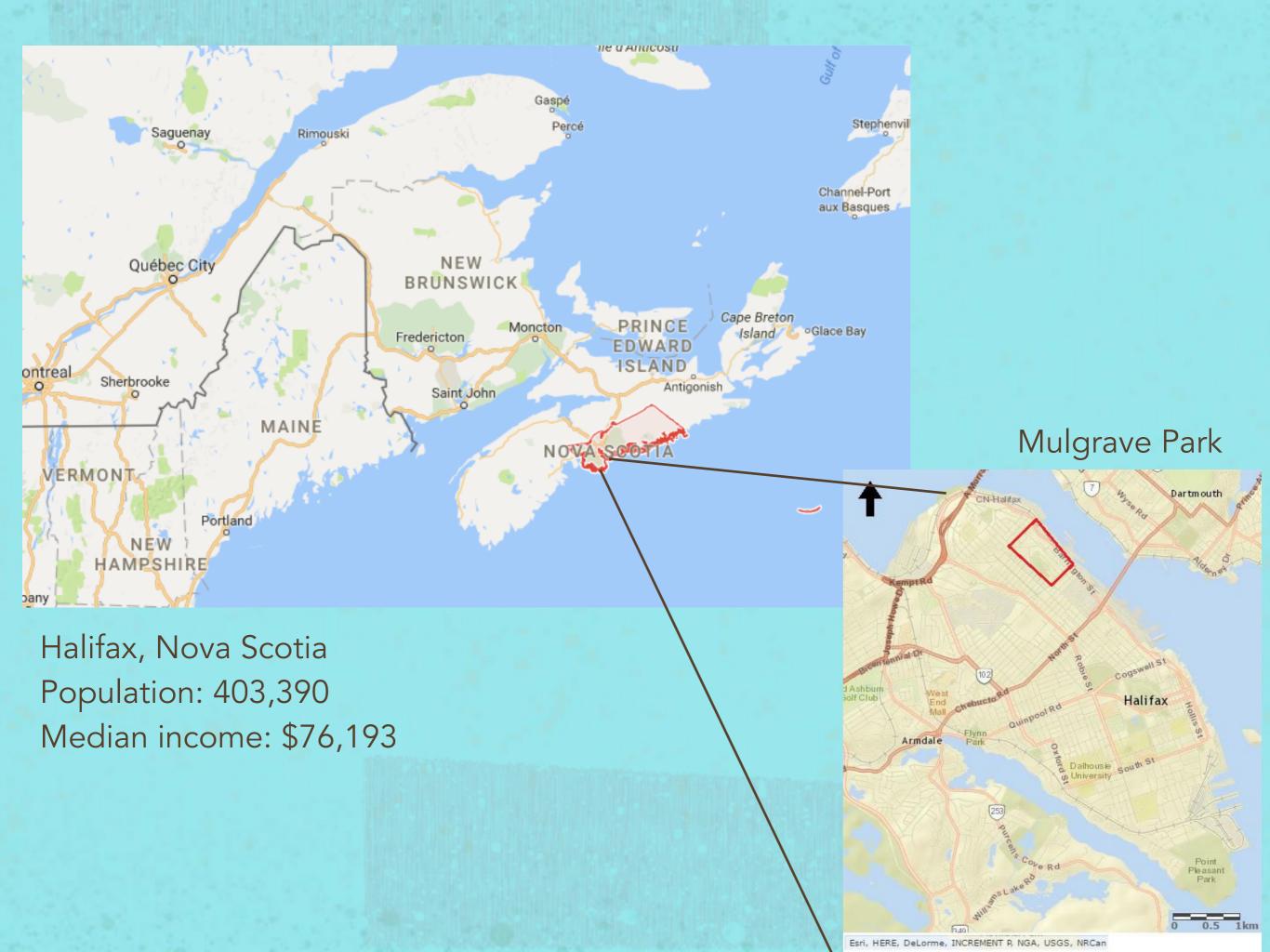
- * Students get real-world experience by working on a real project with a real client
- * Can be a win-win: small municipalities, non-profits, or community-based organizations without extensive planning capacity obtain much-needed (temporary) human resources, while students learn how to work with a client
- * Many planning studios adopt an experiential learning approach, working on a real project defined by a client

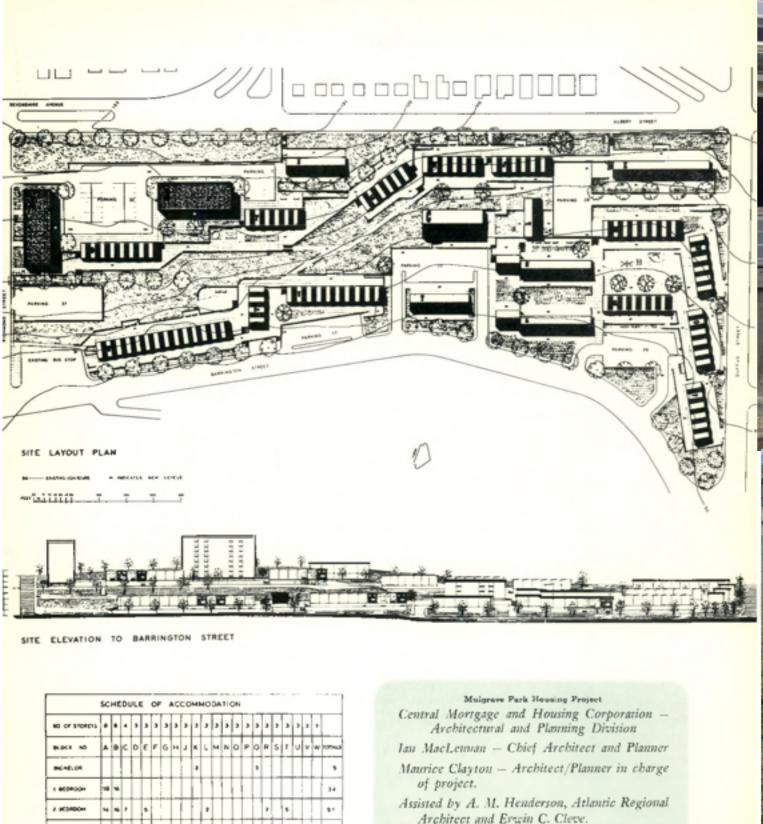
Modifying the studio

- * Fourth year undergraduate studio in urban design, 6 hours class time per week, 13 weeks
- * Major modifications to the unstructured format
 - * Gradual transition from lectures and applied exercises to less structured time
 - * Gradual transition from individual to group assignments
 - * Clear project expectations/deliverables from the client

Why Modify?

- * Client was a non-profit organization in a vulnerable neighbourhood (Mulgrave Park)
- * Students are new to the studio format
- * Students have varying levels of skill (e.g. drawing, project management, group work)
- * Instructor experience with both unstructured design studios and experiential learning courses





Leslie R. Fairn and Associates \ -Associate

13

J. Philip Dunnaresq & Associates | Architects

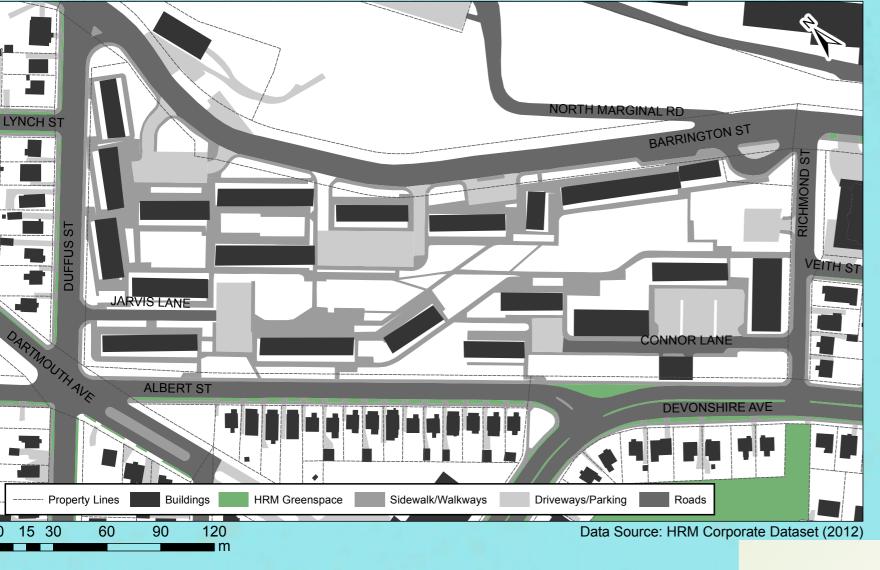
CMHC architects' drawings of Mulgrave Park (1960)

3 вересон

TOTAL NUMBER OF UNITS



	Lecture/Instruction	Exercise
Site History	Guest lecture and NFB film on design of the Mulgrave Park (1960)	Using hard copy maps to make figure ground drawings
Housing Policy	Governmental roles in affordable housing, local housing needs, barriers to affordable housing	Writing a one-page summary on key affordability issue Halifax is facing, upload to the consultation website for the National Affordable Housing Strategy
Health and Sustainability	Theories and practices integrating health and sustainability	Developing a survey for residents on desired health/sustainability characteristics of their community
Funding Alternatives	Municipal budget, community grants program, civic crowdfunding	Find potential funding sources for individual design/ programming elements, decide how to prioritize and implement them



Student Peter Nightingale's GIS site plan

Figure Ground Images







1878

1918

1941

Student Yuedi Zhan's figure ground drawings

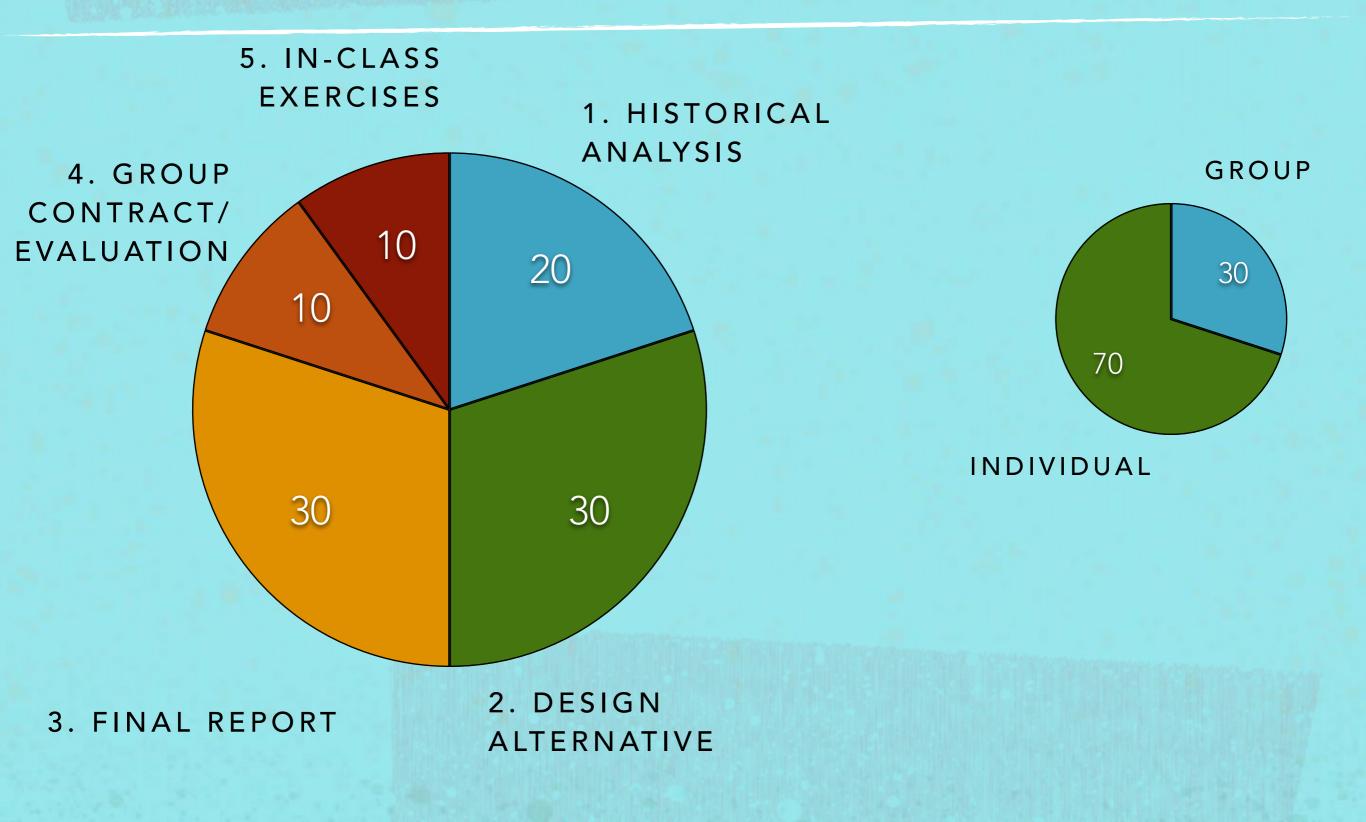


1969



2016

Assessments



Assessments

- * Gradual transition from individual assignments to group assignments
 - * Individual historical analysis
 - * Individual + consultation with others on design/programming element
 - * Group collaboration on final design/programming element and report
- * Individual in-class assignments (10)
- * Group contract/evaluation to manage conflicts

Design Elements

- * Redesigning a gravelly, uneven field in the center of the community as a level playing field for children (see Figure 6a and 6b)
- * Removing some unnecessary retaining walls and using plants to improve the appearance of others
- * Adding a second community garden and greenhouse
- * Building a skate/scooter park with lighting for evening use
- * Redesigning the existing basketball court with a level playing surface, seating, and accommodations for younger kids
- * Redesigning two of the main staircases into the neighbourhood to accommodate informal socializing that happens in these locations
- * Better universal access into and around the site through introducing ramps and level pavement where possible
- * Introducing a boulevard with planting and seating, which can be used for activities like a farmer's market

MULGRAVE PARK DESIGN ALTERNATIVE: CENTRAL PLAYING FIELD

November 2nd, 2016



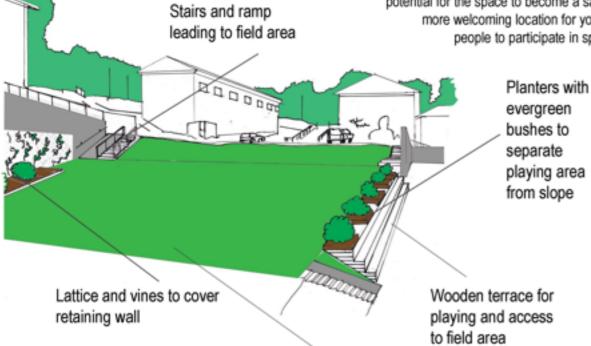




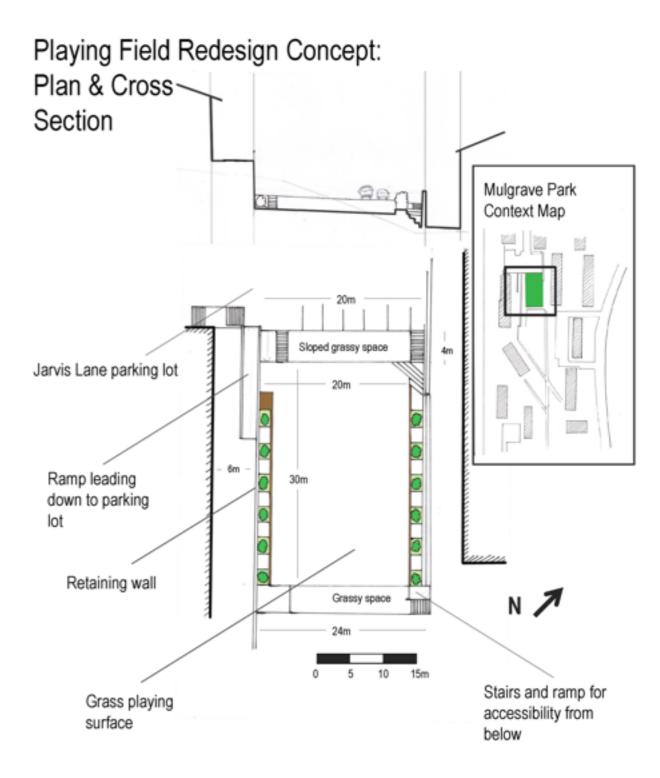
The grassy space in the centre of Mulgrave Park is

Concept Perspective

frequently used by children as a place to play. The playing surface is heavily sloped and is bordered by pavement and retaining wall edges. There is potential for the space to become a safer, Stairs and ramp more welcoming location for young leading to field area people to participate in sport.



Grass playing surface with slight slope for drainage



Budget Estimates & Applicable Grants

- •FCM Green Municipal Fund
- Volunteer Labour/ Donated Materials
- Active Halifax Communities Funding
- Let Them Be Kids

Cost estimate: CAD\$11,500

(Hunsley & Associates Landscaping)

Base expenditures

- Landscaping crew
- Equipment & machinery rental
- Grass seed
- Concrete

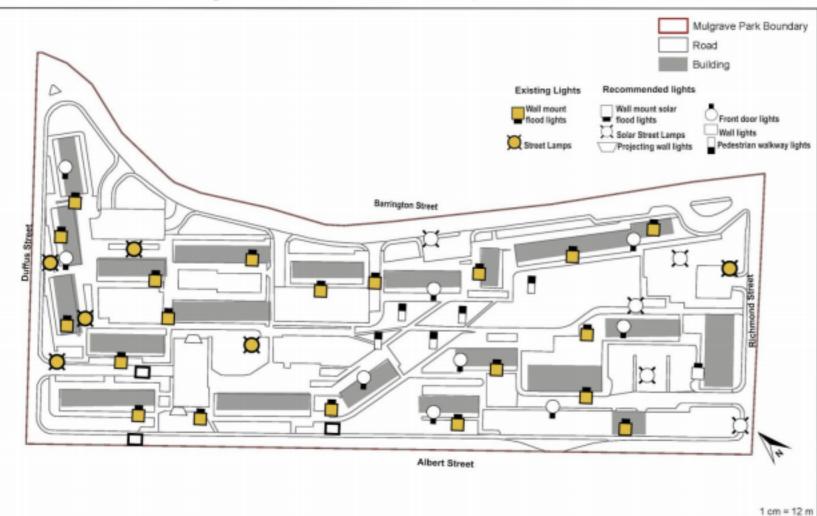
Lumber

- Evergreen plants
- Soil

Lattice

Programming Elements

- * A program to allow residents to paint window boxes and seed them with annuals
- *A program to install seating, garbage bins, bike racks, and an outdoor community events board
- * Elements to increase the perception of safety on the site (glow in the dark paint for the existing murals, a Brighter Nights program, and CCTV cameras)
- * A farmers' market on the new boulevard, which could also be used for education about nutrition and a winter holiday market
- * Improved wayfinding and signage
- * Improved lighting, including some solar-powered and LED fixtures, implemented over time
- * Developing a community van program to be used to improve access to grocery stores, medical centres, cultural, sports, and entertainment activities nearby



Data source: HRM Corporate Dataset (2014).

Student Yuedi Zhan's lighting plan

Student Harry Zhu's boulevard design

This redesigned space could include:

- An area dedicated for non-vehicle use to encourage a safe environment for people using the space
- The group painting of non-vehicle space with vibrant colours to create a stronger sense of public space
- Installing site furniture including benches and picnic tables to provide seating areas
- Installing light poles with LED lighting. The additional lighting will encourage night use

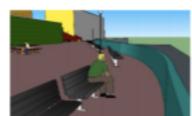


Figure 5.17: Rendering of viewing platform

The second phase is to transform the parking lot by constricting a boulevard into the parking lot as a public space. Following this theme, tree planting will improve the

pedestrian environment. However, the number of parking spots will be reduced. The detailed design includes:

- A boulevard space with trees that offer space to events such as the farmers market
- Three crosswalks connecting the sidewalks to the boulevard which create clear walking paths to pedestrian but also safety measures to avoid conflict with vehicles
- Trees along the sidewalks to further improve greenery in the space
- Installing site furniture including benches and picnic tables to allow area for sitting and socializing
- Installing light poles with improved LED lights to allow nighttime use
- Widening stairways and building a Figure 5.18: Renderings wheelchair ramp will improve accessibility between the parking lot and the view platform



Figure 5.18: Renderings of proposed boulevard design

- A new stairway connects to Albert Street to encourage people from outside the community to come in and use the space
- Twenty parking spots will be removed from the parking lot. The Studio recommends converting spaces to a combination of angled and parallel parking spaces to accommodate more cars in a reduced space
- Cars will drive in a single-lane, counterclockwise direction

34

Learning Outcomes

- 1. Developing an understanding of the importance of natural processes, built form, community aspirations, and the regulatory environment as the basis for good urban design
- 2. Using techniques of inventory, interpretation, and synthesis to identify constraints and opportunities for development
- 3. Translating opportunities and limitations for development into principles and criteria for design interventions
- 4. Developing technical knowledge and skills needed to propose intervention through specific design proposals and policy recommendations that respond to design criteria
- 5. Learning to evaluate proposals based on design principles and criteria
- 6. Exercising written, graphic, and oral communication skills
- 7. Working effectively with project partners

Learning Outcomes

- Developing an understanding of the importance of natural processes, built form, community aspirations, and the regulatory environment as the basis for good urban design
- 2. Using techniques of inventory, interpretation, and synthesis to identify constraints and opportunities for development
- 3. Translating opportunities and limitations for development into principles and criteria for design interventions
- 4. Developing technical knowledge and skills needed to propose intervention through specific design proposals and policy recommendations that respond to design criteria
- 5. Learning to evaluate proposals based on design principles and criteria
- 6. Exercising written, graphic, and oral communication skills
- 7. Working effectively with project partners

Challenges

- * Jurisdictional issues
 complicated maintenance in
 Mulgrave Park—challenging
 for students to work under
 conditions of uncertainty
- * Students still had varying levels of skill in designing and representing their ideas at the end of the course





Four months after the studio ended, Federal MP Andy Fillmore announced \$5 million in improvements to Mulgrave Park (2017-2019) for badly needed repairs to buildings, undergrounding services, and retaining walls. Some of the students' work will be integrated

Reflections on Modifications

- Overall, gradually introducing more unstructured time worked well
 - * Students gained technical skills and background knowledge
- * Gradually introducing group work worked well
 - * Students developed their own design/programming proposals and were able to develop funding options for each project, which the non-profit client used to apply for grants



Acknowledgements



Winning the Dalhousie University "Change One Thing" Challenge allowed me to present at a conference on teaching and learning

Contact me

ren.thomas@dal.ca

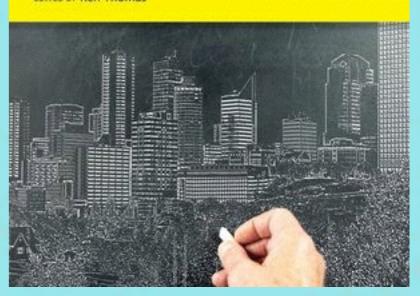
www.renthomas.ca/presentations

OXFORD

Planning Canada

A Case Study Approach

EDITED BY Ren Thomas



Blog posts on Mulgrave Park:

http://www.renthomas.ca/housing/mulgrave-park-studio

http://www.renthomas.ca/housing/mulgrave-park-studio-the-final-

product

http://www.renthomas.ca/housing/mulgrave-park-to-get-5-million-

in-upgrades