

## 2021 Tree Campus USA Report **Five Core Standards**

<b>Advisory Committee</b>	<b>Included</b>	
<b>Tree Care Plan</b>	<b>Included</b>	
<b>Dedicated annual expenditures</b>	<b>In Tree Care Plan</b>	
<b>Arbor Day Observance April 2021</b>	<b>Fr. Sundborg Tree Planting Attach pics, announcements, flyer,</b>	
<b>Service Learning Project:</b>	<b>Kubota Tree Legacy Student led poster and booklet project</b>	

**Campus Tree Advisory Committee:** (Established October 2016. First meeting January 2017)

<b>Facilities Staff</b>	Shannon Britton	Grounds Manager	<a href="mailto:brittons@seattleu.edu">brittons@seattleu.edu</a>
<b>Facilities Staff</b>	Dave Clausen	Senior Gardener	<a href="mailto:clausend@seattleu.edu">clausend@seattleu.edu</a>
<b>Facilities Staff</b>	Patty Wright	Lead Gardener	<a href="mailto:wrightp@seattleu.edu">wrightp@seattleu.edu</a>
<b>Facilities Staff</b>	Lara Branigan	Senior Director Design and Construction	<a href="mailto:branigal@seattleu.edu">branigal@seattleu.edu</a>
<b>Student Arbor Day</b>	Kaelin Mason	Grounds Student Employee/Intern <b>Arbor Day</b> and Gardens	<a href="mailto:Masonk3@seattleu.edu">Masonk3@seattleu.edu</a>
<b>Student Service Learning</b>	Amelia Delgado	Grounds Intern Kubota Tree Legacy	<a href="mailto:delgadoameli@seattleu.edu">delgadoameli@seattleu.edu</a>
<b>Student Service Learning</b>	Alex Jamal	Grounds Intern Tree Campus	<a href="mailto:jemalalexand@seattleu.edu">jemalalexand@seattleu.edu</a>
<b>Faculty</b>	Phillip Thompson	Faculty Engineering and Director of Center for Environmental Justice	<a href="mailto:Thompson@seattleu.edu">Thompson@seattleu.edu</a>
<b>Faculty</b>	Tanya Hayes	Faculty Environmental Studies	<a href="mailto:hayest@seattleu.edu">hayest@seattleu.edu</a>
<b>Faculty</b>	Naomi Kasumi	Faculty Art & Design	<a href="mailto:kasumin@seattleu.edu">kasumin@seattleu.edu</a>







## Student Service Learning

Commemorating Kubota Tree Legacy – Tree Transplants  
New science building Kubota Garden Courtyard



Written and Designed by  
Amelia Delgado



Pdf's of poster and booklet attached

<https://www.seattleu.edu/newsroom/magazine/issues/past-issues/fall-2021.html>



## IN BLOOM

### Student artist honors rich history and beauty of Kubota Legacy Garden

By Dean Forbes

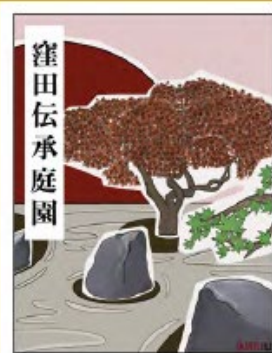
When the Kubota Legacy Garden is dedicated this fall in front of the new Jim and Janet Sinegal Center for Science and Innovation, the talented hand of design student Amelia Delgado, '21, will be evident alongside the work of the garden's landscape architects and Grounds staff who were instrumental in making the garden blossom anew.

Delgado designed and illustrated a poster to commemorate the life of Fujitaro Kubota—the garden's designer—and to celebrate its distinctive features. She is also writing and designing a booklet about Kubota's life, including his work as a landscape designer, his impact on the Seattle U campus and the transplant and preservation process of his trees.

The trees and stones of the original garden were moved to a temporary

location from their former home in front of the University Services Building to make way for construction of the Sinegal Center. They returned to their new home last April.

"Design is everywhere we look, communicating to us in both direct and indirect ways," says Delgado. "It has the power to solve complex problems, shape public opinion, drive social movements, educate communities and honor history. I worked on this project with Seattle University Grounds and Landscaping as well as the Kubota Foundation because I



KUBOTA  
Legacy Garden

want to honor the contributions of Japanese American immigrants and help to keep the Kubota legacy alive by bringing more awareness to his work on campus and in the Seattle community."

The poster features a handmade, cutout layered illustration that plays on the hand-placed layers of a Japanese garden.

In her work Delgado included Kubota's laceleaf Japanese maple and greenleaf Japanese maple trees, as well as several of his stones, all of which are displayed in the new garden.

Says Delgado, "I also included the Japanese translation for 'Kubota Legacy Garden'—thanks to my Japanese design professor Naomi Kasumi—to honor Kubota's Japanese heritage. I also made sure to incorporate the Japanese rising red sun in the background, referencing the country's flag and, nickname 'Land of the Rising Sun.'"



SEATTLE UNIVERSITY MAGAZINE | FALL 2021 25

Newsroom

Poster on site

Booklet printed

Outreach with Kubota Foundation -

Env studies – email comm – Monday Blast

Email comm out reach – Naomi Kasumi – digital arts

### Included: Tree care plan:

**Campus Tree Care Plan:** Seattle University's Major Institution Master Plan (MIMP) states that the university operates an innovative, award-winning landscape program effective in landscape maintenance strategies that provide similarly high-quality landscape environments. SU places high value on its trees and is committed to providing high-performance landscape that supports ecosystem services and increases tree canopy. Future project development within the universities (MIMP) will implement mitigating measures to reduce impacts to trees. Where feasible the university will emphasize the preservation of significant trees and will maintain street trees.

### Tree care practices:

Seattle University expresses its tree care practices in the following methods;

- Manage urbanized campus trees

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- Protect campus trees of significance as assets and assess health and growing conditions
- Initiate risk assessment to be performed by an ISA (International Society of Arboriculture) certified tree risk assessor for any tree that is potential risk for hazards such as falling limbs or the entire tree falling
- Establish labeling protocol of noteworthy trees
- Track trees of significance and monitor health and preservation in proximity to campus construction
- make improvements where needed
- ISA basic tree assessment form is used to aid in assessing risk and determining a course of action as needed including removal
- Apply principles of IPM where necessary for organic treatment using OMRI (Organic Material Review Institute) and WSDA (Washington State Department of Agriculture) products.
- Follow ANSI A300 part 1 standards for
  - best practices in planting, pruning
  - assessing equipment for safety, function and sharpness
- Other resources include
  - *An Illustrated Guide to Pruning*, Third Edition, Edward Gilman
  - *Guide to Pruning*, Cass Turnbull
  - *The American Horticultural Society Pruning & Training*, Christopher Brickell, David Joyce
  - *Crime Prevention Through Environmental Design 2<sup>nd</sup> ed.* Timothy D. Crowe
  - *Crime Prevention Through Environmental Design, National Institute Of Crime Prevention Basic CPTED*, Global Training Company, 40 hour training manual
- University Tree care and maintenance policies for planting, landscaping, maintenance and removal are located in Facilities Policy and Procedures;  
Campus Pruning Standards - Policy and Procedure # 712.01.04
  - Grounds staff shall maintain campus landscapes, trees, shrubs and other understory plantings through pruning, shearing to insure health and vigor of campus landscapes.
  - Gardeners follow pruning practice standards administered by Grounds department according to ANSI A300 Part 1 Pruning
  - Assessing equipment for safety, function and sharpness
  - Assessing tree or woody shrub for managing plant health through pruning best practices
  - Followed ANSI A300 Part 1 Pruning
  - Assesses equipment for safety, function and sharpness
  - Assesses tree or woody shrub for managing plant health through pruning best practices
  - Follow ANSI A300 Part 1 Pruning
  - Reports unusual circumstances to be assessed by an ISA Certified Arborist



## Tree Assessment & Care Policy and Procedure #712.01.10

- Protecting campus trees of significance as assets
- Managing urbanized campus trees assessing health and conditions related to changes in the environment
- Routinely documenting conditions of all campus trees larger than 10" in diameter at breast height (dbh)
- Including an assessment of growing conditions and tree responses to them in documentation
- Initiating a risk assessment for any tree that is a possible risk for hazards such as falling limbs or the entire tree falling to be performed by an ISA certified tree risk assessor right away
- Adopt ISA basic tree assessment form to aid in assessing risk and determining a course of action as needed
- Routinely observe campus trees for defects performing visual inspections for impacts to trees related to seasonal changes, major storm events, construction
- Apply principles of IPM where necessary for treatment

## Campus Forest

Seattle University's unique urban forest includes heritage, legacy and preservation components. Included in this several tree plantings connected to the Kubota family heritage on campus, Backyard Wildlife designation and Pacific Northwest native species and some ornamental tree species. Campus tree community provides valuable ecosystem for wildlife and human alike. Percentage of campus tree canopy is roughly 28.6%. Tree shade and shelter are a refuge as well as food and nesting resources. Tree canopy shade during warm summer months is a draw for campus community to create outdoor classrooms further enjoying the benefit of fresh air and contact with the earth.

- SU Campus 50 acres TL, 14.3 acres landscape, estimate 31% tree canopy coverage

Maintaining a healthy and widely varying tree canopy for campus is important to eco-justice including future generations of all living beings. Campus gardeners emphasize a tree management plan that focuses on variety, species for changing culture and climate and increasing canopy cover. Efforts to maintain healthy root plate environment is dependent on leaving tree debris whenever possible and recycling for reuse as mulch later. These efforts encourage development of diverse layer of organisms at ground level.

Seattle University tree protection policies and plans are established by the university's Major Institutional Master Plan Section 3 and Facilities Design and Construction Landscape Standards. Percentage of tree canopy of campus is included in the MIMP.

## Service Learning Projects

Tree Campus USA Internship: study of campus tree canopy coverage and campus tree root flare clearing project

## Observation of Arbor Day

Outdoor classroom; student led tree planting on campus

## Goals and Targets for 2021 - 2025



- Kubota Legacy Tree Transplants 2021 – COMPLETE
- Campus tree planting projects plant 15 more trees by 2025
- Update campus tree inventory 2025

## Tree Damage Assessment

Any tree damage or tree loss created by a contractor or outside source will be evaluated by the campus arborist or an independent certified arborist.

The estimated value of the tree which will be determined using an approach by the *Council of Tree and Landscape Appraisers (CTLA1992)*. This procedure calculates a value based on cross sectional area at DBH (diameter at breast height). This value is calculated using the current value of trees available for transplanting. This basic price is then adjusted for species, tree condition and location. It should be noted that the objective for this estimate is to determine a conservative value based on average conditions. The approach applied here may overestimate some trees, but will also underestimate others. It will, nonetheless, yield a credible value for all the trees in the community, or for a group of tree and the cost of damage, replacement or maintenance.

Enforcement, penalties and appeals are administered by Campus Department of Public Safety.

Prohibited Practices include no synthetic based pesticides may be used on campus trees as identified in Grounds Policies and Procedures for care and maintenance. Campus trees may not be used for signs, recreation or securing bikes to any part of the tree. OMRI and WSDA certified organic product may be used for treatment where prescribed by campus arborist.

## Communication Strategy

Information about campus trees is communicated through campus news in email, student newspaper 'The Spectator', Facilities Newsletter and Tree Protection Guidelines in Design and Construction. *Noteworthy Trees of Seattle University* prepared by Favaro Greenforest, Consulting Arborist is accessible via the SU Grounds and Landscaping webpages as well as *Trees of Seattle* authored by Arthur Lee Jacobsen includes descriptions of 70 on SU campus.

## Dedicated Annual Expenditures and Annual Tree Care Work Plan

Seattle University's full time student population is 7,050 at \$3 annual expenditure requirement is \$21,150.00. Seattle U exceeds the required amount of expenditures needed for Tree Campus Higher Education participation.

Tree Pruning Work Plan and Level of Service					
Highest	High	Moderate	Moderate/low	Minimum	Lowest
1	2	3	4	5	6
Event preparation	Peak season Spring/Fall	Summer	Fall/Winter	Late Winter	once/year



# SEATTLEU

2x/year *CPTED, *ADA	1-2X/season CPTED, ADA, shape, correct damage	2x/season CPTED, ADA, shape, thin, limb up, **	1x/year CPTED, ADA, shape, correct damage, limb up	1x/year CPTED, ADA, shape, correct damage, **	1x/year CPTED pruning
apply fresh mulch	apply fresh mulch	apply fresh mulch	apply fresh mulch	apply fresh mulch	n/a

\*CPTED: Crime Prevention Through Environmental Design, prune to maintain viewing corridors between 3’-6’, limb trees up 6-8’ from walking and driving surfaces

\*ADA: American Disabilities Act, prune to clear handicap ramps, all campus handrails and entrances to buildings and elevators

\*\*Contractor performs large tree pruning for maintenance, correcting storm damage

<b>Expenditures Estimated 2021</b>		
Dedicated staff to annual campus tree care, CPTED tree pruning including irrigation specialist	labor hours	\$149,386
Contracted Large Tree Maintenance Pruning, Removal, Treatments	Feb, Apr, Jul, Oct	\$43,277
New tree purchases - 3	Facilities Operations	\$1,500
Design and Construction – New Science Building Trees	Tree Transplants & new trees	\$30,000
Equipment used for tree maintenance	Chipper maintenance	\$500
Irrigation	Equipment, audit repairs	\$2500
Professional Development Training	Seminars, certifications,	\$2000
<b>Total estimated expenditures</b>		<b>\$229,163</b>

## Definitions for campus tree terminology

ADA – American Disabilities Act

CPTED – Crime Prevention Through Environmental Design

IPM – Integrated Pest Management

MIMP – Major Institutional Master Plan

OMRI – Organic Materials Review Institute

WSDA – Washington State Department of Agriculture

Ecosystem Services - **An ecosystem service is any positive benefit that wildlife or ecosystems provides to people.** The benefits can be direct or indirect – small or large. *National Wildlife Federation*

ISA – International Society of Arboriculture

Campus Trees of Significance - trees identified as, planted by Kubota, donated in memorial, being rare, significant in size, species and placement in the landscape

## Included: Observe Arbor Day

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## Student Lead Tree Planting: Honoring retiring university president, Fr. Steven Sundborg

- Planted 6' tulip tree with plaque
- Arbor Day Celebration 2021 Summary
- Grounds was invited to plant a tree in honorarium of the university's retiring president, Fr. Sunborg and to honor his 26 years of service. Grounds gardeners and student employees and interns planted the tree and recorded the planting. Fr. Sundborg was invited to attend but his schedule did not allow.

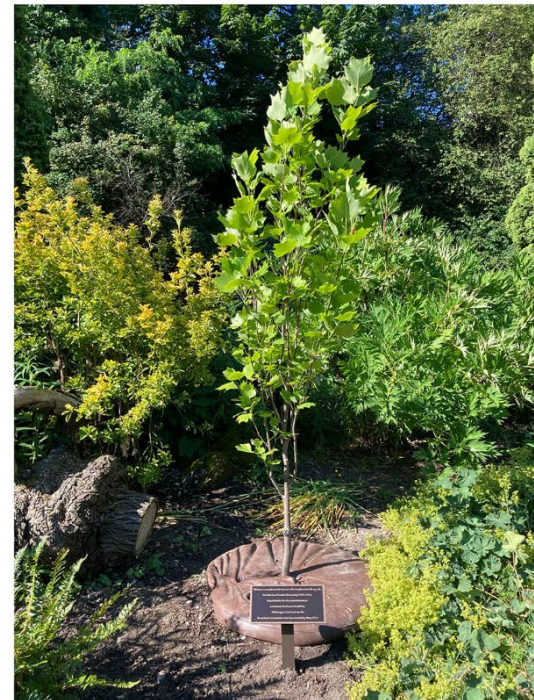
<p><b>ARBOR DAY</b> Tulip Tree Planting – ADMN building Commemorating university president service and retirement</p>		 	
<p><b>Student Internship Reported, photographed, videoed the tree planting</b></p> 	<p>Seattle University – Environmental Studies Program Intern Work Performance Evaluation for Supervisors</p> <p>Name of student: <u>Kaelin Mason</u></p> <p>Name of organization: <u>SU Grounds and Landscaping</u></p> <p>Name of supervisor (printed): <u>Shannon Britton</u></p> <p>Title of supervisor: <u>Grounds and Landscaping Manager</u></p> <p>Supervisor phone or email contact: <u>brittonss@seattleu.edu / 206-391-1202</u></p> <p><small>Environmental Studies internship contracts require the following information to be provided to the faculty internship advisor by the first day of final exams for the internship quarter. This form may be sent directly to the Environmental Studies office (address on reverse) by email (preferred), fax, or surface mail. Please complete all pages of this evaluation. Thank you very much.</small></p> <p>1. <u>Attendance verification</u></p> <p>a. Actual start date of internship: <u>4/6/2021</u> Actual end date of internship: <u>8/31/2021</u></p> <p>b. Typical weekly work schedule or allocation of work hours: <u>schedule: M &amp; F during work shift with grounds</u> <u>location: SU Campus with Grounds and Landscaping</u></p> <p>c. I confirm that the student named above has completed <u>115</u> hours supervised internship work under my guidance.</p> <p><u>Shannon Britton</u> (Signature of supervisor)</p> <p>(continued next page)</p>	<p>2. <u>Work performance evaluation</u></p> <p>a. Please outline the intern's primary responsibilities: <u>Incorporate a part of working with grounds into a 2-credit internship with Environmental Studies department.</u> <u>Re-start the plants@SU Instagram account and dedicate some time during create an educational page about the different plants and ecosystems on the grounds department tends to.</u> <u>The purpose is to get the campus more aware and involved with the surroundings. If you have any questions on this, you're welcome to talk to my department: Hayes. Let me know what you think and I can send the internship paperwork your!</u></p> <p>b. Please comment on the intern's overall performance: <u>Kaelin accomplished her goals and objectives for updating and creating an account for 'groundscontrols' showing and highlighting gardens, garden operations on campus.</u></p> <p>c. What do you see as the major strengths the student brought to, or developed during, this internship? <u>Kaelin developed skills in using digital and social media as arts and comm. highlight and emphasize her subject. Grounds benefited by Kaelin's aspirational information from a grounds student employees perspective shared with other interested community members. Thank you Kaelin!</u></p> <p>(continued)</p>	<p>d. What do you see as the student's major challenges or areas for improvement during this internship? <u>Kaelin fulfilled her objectives very well using creativity and current events. If there was one thing to mention, I would have liked to have the Instagram link uploaded to grounds website. This would have been a next step in Kaelin's learning. But this desire does not take away from the excellent work Kaelin did with creating the Instagram page of videos, interviews and photos of grounds operations. Really great work Kaelin!</u></p> <p>RELEASE OF INFORMATION: Please initial one: <input checked="" type="checkbox"/> I give my permission for this evaluation to be shared with the student. <input type="checkbox"/> I do NOT give my permission for this evaluation to be shared with the student.</p> <p>Thank you very much for your contribution to this student's education! Please send this form to the Environmental Studies Program office at Seattle University: Email: <a href="mailto:emilms@seattleu.edu">emilms@seattleu.edu</a> Fax: 206.296.2667 Surface mail: Environmental Studies Program Seattle University 811 1st Ave Seattle, WA 98122</p>



Campus Community / People of SU

## A Tree Grows Behind Admin

May 28, 2021



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President Sundborg is surprised by a gift planted in his honor

As has been the custom for a few years, President Stephen Sundborg, S.J., joined the President's Committee for Sustainability (PCS) for its final meeting of the academic year on May 26. With the president set to retire in June, PCS co-chairs Jen Tilghman-Havens and April Atwood invited Father Sundborg to open a farewell gift from the committee: a book—*Tree: A Life Story* by David Suzuki and Wayne Grady.

But there was more. Unbeknownst to the president, a second gift was just outside his window. He was shown a video of Grounds staff and student employees just days before planting a new tree in the garden behind the Admin Building.

Dedicated in Father Sundborg's name, the tall columnar tulip tree will grow to be large and sturdy, Grounds Manager Shannon Britton explained, "and in June it produces lime-green, tulip-shaped flowers."

"Sturdy and flowering—that's perfect," the president quipped.

"This is a very different kind of gift. I'm moved by it."

Convened in 2011, the [PCS](#) is charged with implementing the university's Climate Action Plan and overseeing its sustainability initiatives.

During Father Sundborg's 24 years as president, the university has reduced its carbon footprint, greened its operations, committed to divesting from fossil