

DEPARTMENT OF LANDSCAPE ARCHITECTURE
UNIVERSITY OF MANITOBA STUDENT

MANUAL 2021–2022

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INTRODUCTION

This manual is intended to familiarize new and already enrolled students with the operation of the Department of Landscape Architecture and the Master of Landscape Architecture (MLA) program. It is intended primarily for use by MLA students, and by students in the Landscape + Urbanism (L + U) Option of the Environmental Design (ED) program. Potential applicants to the MLA program may also find it helpful. The Manual supplements the material on the Department web site at www.umanitoba.ca/landscapearchitecture and should be read in conjunction with the Department's Thesis / Practicum Guidelines and the Department's Supplemental Regulations at <https://umanitoba.ca/graduate-studies/sites/graduate-studies/files/2021-05/land-arch-supp-reg.pdf>.

The Department of Landscape Architecture is a graduate department in the Faculty of Architecture at the University of Manitoba. There are three other graduate programs in the Faculty – Architecture, City Planning and Interior Design. The Faculty also has a four-year baccalaureate program in Environmental Design, in which the third and fourth years are taught by the graduate departments.

The MLA program is accredited by the Canadian Society of Landscape Architects (CSLA) which has reciprocal recognition from the Landscape Architecture Accreditation Board (LAAB) in the United States. Successful completion of a program accredited by the CSLA / LAAB qualifies graduates to sit the North America-wide Landscape Architecture Registration Exam (LARE), the North America-wide qualification for professional registration.

Graduates with an accredited degree plus two years in practice have been required to pass all four sections of the LARE for professional registration with the Manitoba Association of Landscape Architects (MALA), a component of the CSLA.

The most recent accreditation review was conducted in May 2021. It granted a full six-year accreditation for the MLA program.

Students admitted to the program must have one of three different types of four-year baccalaureate degree with a minimum Grade Point Average (or equivalent) of 3.0 from a university recognised by the Faculty of Graduate Studies:

- a degree in Landscape Architecture from a university recognised by the Faculty of Graduate Studies or a degree in Environmental Design from the University of Manitoba
- a degree in another design discipline from a university recognised by the Faculty of Graduate Studies
- a degree in another discipline from a university recognised by the Faculty of Graduate Studies.

1: OPERATION OF THE DEPARTMENT

1.1: REGISTRATION

Graduate students in the Faculty of Architecture are required to register by web registration. A full listing of required courses for the 2021-22 academic year can be found in Section 2 of this Manual (Course Structure) and on the Department web site. Advice on registration and other program-related issues can be obtained from the Graduate Program Student Advisor, Heather Lins Heather.Schnaider@umanitoba.ca

All students MUST register in each term – Fall, Winter and Summer – until they graduate and ALL graduate students MUST take the on-line courses GRAD 7300: Research Integrity and GRAD 7500: Academic Integrity Tutorial in their first term.

1.2: FACILITIES AND RESOURCES

Each MLA student will be able to claim a space in the Landscape Architecture studio, on the south side of the 300 level of the Russell Building. Under current arrangements, graduate students in the Faculty are entitled to a studio space for 12 calendar months after the completion of their final studio. Lockers are available in the studio on a first-come, first-served basis. During the global pandemic access to studio will be limited. Please refer to the COVID- 19 website as it will be updated with Recovery information on a regular basis <https://umanitoba.ca/coronavirus>

Students are responsible for purchasing all equipment and supplies necessary to carry out studio and coursework. Recommendations for equipment and supplies for students entering the second year of the ED program are included in Appendix B. The same list of supplies is applicable to students in the MLA program. Equally, a mandatory computer purchase policy is implemented for ED2 students and the same requirements apply for students entering the MLA Program. Details are also provided in Appendix B in this Manual.

The Faculty Library is on the 200 level of the Russell Building. The Product Catalogue Library is on the 200 level of the Architecture 2 Building. The Computing Laboratories (CADLab) are on the 100 level of the Architecture 2 Building. The Workshop and Fabrication Laboratory (FabLab) are on the lower level of the Russell Building. Attendance at a workshop orientation session is obligatory for incoming MLA students and for returning students who have been out of the Faculty for more than a year. Sessions will be organised by Kellen Deighton, the Workshop Coordinator. During the global pandemic access to all facilities will be limited. Please refer to each website as it will be updated with Recovery information on a regular basis <https://libguides.lib.umanitoba.ca/covid-19-libraryaccess>, <https://umanitoba.ca/architecture/fablab>, <https://umanitoba.ca/architecture/workshop>, <https://umanitoba.ca/architecture/product-catalogue-collection>.

1.3: COMMUNICATIONS

All students must set up their U of M computer account (called the UMnetID). This account provides students with a University of Manitoba email address, access to the wireless network, computer labs, printing, and other online services. Instructions for creating your UMnetID can be found at www.umanitoba.ca/computing/ist/accounts/claimid.html.

All official correspondence will be sent to your U of M email address, and it is your responsibility to monitor and maintain this account. ALL communication with University instructors and administrators MUST be conducted via students' University of Manitoba email addresses.

Students **MUST** check their email regularly and check Bulletin Boards in the studio and in common areas in the Russell Building for information regarding courses and special events.

1.4: ACADEMIC ADVISORS

All incoming MLA students are allocated a department faculty member as an Academic Advisor. Students may choose to remain with that Advisor for their Thesis / Practicum and other academic matters or elect to change to another Advisor whose academic interests may be more closely aligned with their own interests. Once a student agrees to change to a new Advisor and/or to change Committee members, they must inform the Head of the Department, their original Advisor and the Graduate Student Advisor for the Department. A form for doing this is available from the Graduate Student Advisor.

All graduate students are required to complete, in consultation with their Academic Advisor, an on-line Advisor-Student Agreement with respect to the responsibilities of the respective parties. This can be found at http://umanitoba.ca/faculties/graduate_studies/media/ASG_Instructions.pdf.

1.5: FELLOWSHIPS, SCHOLARSHIPS AND AWARDS

Each year a limited number of University of Manitoba Graduate Fellowships is allocated to incoming students in the MLA program. Awards are generally subject to achieving a minimum Grade Point Average (GPA) of 3.75 in the last two years of study. The number of awards offered is subject to funding availability.

There are a number of other grant or scholarship opportunities sponsored by private foundations and endowments. Students should search the listings on the University Web site for opportunities that may apply to their situation or area(s) of research interest. Further scholarship information can be found at <https://ui-webapps.ad.umanitoba.ca/searchableAwards/>.

Students should be aware of the following scholarships, fellowships and awards that are available to students who are enrolled full-time in the MLA program:

Faculty Wide:

- Allan Waisman Aboriginal Architecture Scholarship
- Canadian Masonry Research Institute Scholarship
- Fridrik Kristjansson Scholarship in Architecture
- Maxwell Starkman Scholarship in Architecture

Department Specific:

- Barkman Concrete Scholarship
- Department of Landscape Architecture Graduate Fellowship
- Joys of Landscape Prize
- Ted McLachlan Community Engagement Scholarship
- Carl R. Nelson Travelling Fellowship in Landscape Architecture
- Alexander E. Rattray Scholarship in Landscape Architecture
- James C Thomas Fellowship in Landscape Planning
- Charles H. Thomsen Scholarship in Landscape Architecture
- Manitoba Association of Landscape Architects Fellowship in Landscape Architecture
- A Corrigill Scholarship is presented each Fall to the student in each Master's program in the Faculty having an outstanding performance during the previous academic year.

Details of these awards can be found on the Faculty of Architecture web site

<https://umanitoba.ca/architecture/awards-database>.

Students in advanced study may apply for Teaching Assistant (TA) positions. These are available on-line at www.umanitoba.ca/employment.

The Manitoba Association of Landscape Architects makes an Annual Book Award to the student with the highest academic standing in each year of the program and a gold medal is awarded each year to the graduating student with the highest GPA. The Canadian Society of Landscape Architects (CSLA) board has approved the proposal for the CSLA Student Award of Excellence to begin Fall 2021. The CSLA Student Award of Excellence (launching Fall 2021) recognizes excellence in work by students in CSLA-accredited programs through a competitive jury-based awards process. Each year the Student Award of Excellence will be juried by prominent professionals and the winning projects will be honored at the CSLA National Congress, coinciding with the professional CSLA Awards of Excellence.

The Department awards a Thesis / Practicum Prize each year to the graduating student who has submitted the most accomplished Thesis / Practicum during the preceding 12 months. It should be noted that, in addition to the Faculty of

Graduate Studies submission requirements, departmental regulations require students to submit one hardbound copy (or proof of it having being ordered) before they are allowed to graduate. Students are obliged to provide all committee members with hardbound copies of their work, unless committee members indicate otherwise.

1.6: SPEAKERS AND EVENTS

The Faculty Cultural Events Committee sponsors speakers and other events throughout the year. Notices are posted as early as possible for these events and students are strongly encouraged to take advantage of them.

1.7: ANNUAL EXHIBITION OF STUDENT WORK

Students are reminded that they are expected to retain work for presentation for the year-end exhibition each April and that they are expected to be available to help with the preparations and set-up for the exhibition.

1.8: REGULATIONS

Students must familiarise themselves with the University of Manitoba Graduate Calendar and Registration Guide. These are available at <https://catalog.umanitoba.ca/graduate-studies/architecture/>.

Students should note, in particular, the sections covering:

- General Academic Regulations and Policy Governing: Attendance, Cheating and Plagiarism, Debarment, Incomplete Work, Deferred Examinations, Appeals, Probation and Academic Suspension, Voluntary Withdrawal from Programs and Courses and Hold Status
- Regulations for Graduate Student Academic Performance
- Faculty of Architecture Regulations and Coursework Requirements
- University of Manitoba Policy on the Responsibilities of Academic Staff with Regard to Students (ROASS) and, in particular, Responsibilities of Academic Staff, Sexual Harassment, University Ombudsman, Student Advocate.

The Faculty of Graduate Studies Academic Guide can be viewed at their web site. A Guide for Students at the University of Manitoba is available from Student Affairs. The Department of Landscape Architecture Thesis / Practicum Guidelines are available on the [department](#) website.

1.9: READING LISTS

Reading Lists are issued by instructors for each individual course. General introductory and/or reference books that incoming students might find helpful include:

- Ching, Francis [Frank] D. (2014 – Fourth Edition). *Architecture: Form, Space, and Order*. Hoboken, NJ: John Wiley and Sons.
- Ching, Francis [Frank] D. and Juroszek, Steven (2010 – Second Edition). *Design Drawing*. Hoboken, NJ: John Wiley and Sons.
- Corner, James (2014). *The Landscape Imagination: The Collected Essays of James Corner 1990-2010*. New York: Princeton Architectural Press.
- Dee, Catherine (2012). *To Design Landscape: Art, Nature and Utility*. New York and London: Routledge.

- Entwistle, Trudi and Knighton, Edwin (2013). *Visual Communication for Landscape Architecture*. London: AVA Publishing / Bloomsbury.
- Girot, Christopher (2016). *Thinking the Contemporary Landscape*. New York: Princeton Architectural Press.
- Hutchison, Edward (2011). *Drawing for Landscape Architecture: Sketch to Screen to Site*. London and New York: Thames & Hudson.
- Jackson, J. B. (1996). *A Sense of Place, a Sense of Time*. New York: Yale University Press.
- Jellicoe, Susan and Geoffrey (1995 – Third Edition). *The Landscape of Man*. London: Thames and Hudson.
- Schenk, Leonard (2013). *Designing Cities: Basics – Principles – Projects*. Basel, Boston, Berlin: Birkhäuser.
- Simonds, John Ormsbee and Starke, Barry (2006 – Fourth Edition). *Landscape Architecture: A Manual of Land Planning and Design*. New York: McGraw Hill Professional.
- Thompson, George F. and Steiner, Frederick R. (2016). *Nature and Cities: The Ecological Imperative in Urban Design and Planning*. Cambridge, Mass: Lincoln Institute of Land Policy.
- Tsing, Anna; Swanson, Heather; Gan, Elaine; Bubandt, Nils (Editors – 2017). *Arts of Living on a Damaged Planet*. Minneapolis: University of Minnesota Press.
- Vroom, Meto J. (2006). *Lexicon of Garden and Landscape Architecture*. Basel, Boston, Berlin: Birkhäuser.
- Wall Kimmerer, Robin (2015). *Braiding Sweetgrass: Indigenous Wisdom, Scientific Knowledge and the Teachings of Plants*. Minneapolis, MN: Milkweed Editions.
- Williams, Ron (2014). *Landscape Architecture in Canada*. Montréal and Kingston: McGill-Queen's University Press.

2: COURSE STRUCTURE

The Design Studio is the core of the MLA program. The fields of theory, ecology, history, technology and communications are taught in lecture courses and are developed and applied in the Design Studio. The nine (9) credit hour studio courses take place on two whole days throughout each term. Attendance at all lecture courses and during studio times is mandatory. An additional six (6) credit hour Intersession studio may also be offered during May and early June each year.

The third and fourth years of the undergraduate Environmental Design program and the whole MLA program were reorganised in 2010 in order to allow specialisation at an earlier stage in the professional disciplines offered in the Faculty. As part of this process, students are admitted direct to the MLA program at a stage commensurate with their previous qualifications (as outlined in the Introduction to this Manual). In broad terms, students admitted with:

- a degree in Landscape Architecture from another university or a degree in Environmental Design from the University of Manitoba will be required to take a minimum of two (2) studios of nine (9) credit hours each
- a degree in another design discipline will be required to take a minimum of four (4) nine (9) credit hour studios
- an undergraduate degree in another discipline will be required to take a minimum of five (5) studios, four (4) of which must be of nine (9) credit hour each. This requirement is currently implemented on a flexible basis as part of measures to ensure that students from a non-design background can graduate in three years.

The curriculum for students taking the MLA program subsequent to the L+U Option is shown in Table 1 (MLA Year 3). The curriculum for students entering the MLA program with a non-design degree is shown in Figure (MLA Year 1 and sequential years 2 + 3). Students entering with a design degree other than a Bachelor of Environmental Design via the L+U Option will be required to take an appropriate combination of courses from those shown in Table 1. A brief description of the courses in the MLA program is given in Appendix A.

TABLE 1: CURRICULUM FOR MLA PROGRAM 2020-2021

COURSE	COURSE NAME	CREDIT HOURS
MLA Year 1	STUDENTS WITH NON-DESIGN BACKGROUND	
	Pre-Term Drawing Workshop (Fall Term)	0
LARC 6150	LA Communication (Fall Term)	3
EVLU 3000	History of Designed Environments (Fall Term)	3
EVLU 3002	Site Planning (Fall Term)	3
EVLU 3004	Ecology + Design 2 (Winter Term)	3
EVLU 3010	Landscape + Urbanism Theory (Winter Term)	3
EVLU 3012	Site Morphology + Grading (Fall Term)	3
LARC 7110	LA Studio 1 (Fall Term)	9
EVLU 3008	L+U Studio 4: Networks and Infrastructure (Winter Term)	9
	TOTAL CREDIT HOURS MLA YEAR 1	(36)
MLA Year 2	STUDENTS WITH NON L+U DESIGN BACKGROUND	
EVLU 4000	Philosophy, Ethics and Aesthetics (Winter Term)	3
EVLU 4002	Landscape Construction Materials (Fall Term)	3
EVLU 4008	Plants, Ecosystems and Design (Fall Term)	3
EVLU 4016	History of Landscape + Urbanism (Winter Term)	3
EVLU 4018	Principles of Urban Design (Fall Term)	3
LARC 7040	Design Research – or in MLA Year 3 (Fall Term)	0/3
LARC 7222	LA Studio 2 (Fall Term)	9
EVLU 4014	L+U Studio 6: Emergent Futures (Winter Term)	9
	TOTAL CREDIT HOURS MLA YEAR 2	(33/36)
MLA Year 3 + 4	STUDENTS WITH L+U DESIGN BACKGROUND	
LARC 7002	Landscape Construction + Practice (spanned over Fall and Winter Term)	3
LARC 7040	Design Research – if not taken in MLA Year 2 (Fall Term)	0/3
LARC 7250	Advanced LA Theory (Winter Term)	3
LARC 7310	Pre-Term LD Seminar 1 or Graduate Level Elective (Plants, Fall Term)	0/3
LARC 7320	LD Seminar 2 or Graduate Level Elective (LA History, Winter Term)	0/3
LARC 7330	LA Studio 3 (Winter Term)	9
LARC 7340	LA Studio 4 (Fall Term)	9
	Other Electives as required	0/3/6
LARC 7400	LA Topics (with Academic Advisor, Summer Term)	3
ARCG 7102	Intersession Studio (as alternative to Electives, Spring Term)	0/6
LARC 7020	Field Studies (as alternative to Electives, Spring Term)	0/3
GRAD 7000 / 7300	Thesis / Practicum	0
	TOTAL CREDIT HOURS MLA YEAR 3 + 4	(39/42)
	TOTAL CREDIT HOURS FOR MLA PROGRAM	111

3: APPLICATION TO MLA PROGRAM

Canadian students must apply for admission to the MLA program by 15 January and International students by 1 December. These dates are a Faculty of Graduate Studies requirement in order to ensure that applications can be processed in a timely manner. All applications must be made on-line. For more detailed information about applying to the program, please contact the Graduate Program Advisor or go to <https://umanitoba.ca/explore/programs-of-study/landscape-architecture-mlarch>.

The Department Head will meet late in the Fall Term with fourth year students in the L+U Option who want to apply for entry to the MLA program. It is advisable that ALL students – whether intending to apply to the MLA program or not – begin to build a portfolio of their Design Studio work starting from the first project. This portfolio will be an important component of the application submission for graduate school or for subsequent job applications.

4: COST PARAMETERS

TUITION

Upon application, students with a Bachelor of Environmental Design degree from the University of Manitoba in the Landscape + Urbanism option will be charged two years of fees at the full rate. Fees for students with similar undergraduate qualifications will be reviewed, upon application, on a case-by-case basis. Students with a non-design qualification will be charged three years of fees at the full rate.

OTHER COSTS

Table 2 (below) gives a broad estimate of costs on a year-by-year basis over and above tuition cost. It provides costs of travel and accommodation for courses such as Field Studies and/or elective studios but is not necessarily exhaustive.

COST ITEM	MLA YEAR ONE	MLA YEAR TWO	MLA YEAR THREE
DATES	Sept to May / June	Sept to May / June	Sept to August
FIELD STUDIES (* cancelled due to Covid-19)	Europe \$3000*	L+U Studio 6: \$500* EVLU 4002: \$15*	LA Studio 3 and/or LA Studio 4: \$465*
BUDGET FOR PUBLICATIONS	US\$700	US\$500	US\$500
SUPPLIES / PRINTING (See Appendix B)	US\$3000	US\$1800	US\$1800
LAPTOP COMPUTER (See Appendix B)	US\$2500		
COMPUTER SUPPLIES	US\$1500	US\$1500	
THESIS / PRACTICUM PRODUCTION			US\$500

TABLE 2: BROAD ESTIMATE OF COSTS ADDITIONAL TO FEES ON YEAR-BY- YEAR BASIS

5: DEPARTMENT ACADEMIC AND ADMINISTRATIVE STAFF

Students should review the Department of Landscape Architecture faculty list for information on the research interests and projects of each faculty member at www.umanitoba.ca/faculties/architecture/facstaff/faclist/index.html.

NAME / POSITION	OFFICE LOCATION	EMAIL ADDRESS	TELEPHONE
ACADEMIC STAFF			
Anna Thurmay Professor + Head	201L Russell Building	anna.thurmay@umanitoba.ca	481 1081
Alan Tate Professor	220 Architecture 2	alan.tate@umanitoba.ca	474 7173
Marcella Eaton Associate Professor	312 Architecture 2	marcella.eaton@umanitoba.ca	474 7159
Karen Wilson Baptist Associate Professor	307A Russell Building	karen.wilsonbaptist@umanitoba.ca	474 7289
Dietmar Straub Professor	315 Russell Building	dietmar.straub@umanitoba.ca	474 6116
Jean Trottier Associate Professor	305A Russell Building	jean.trottier@umanitoba.ca	474 9641
Brenda Brown Associate Professor	304 Architecture 2	brenda.brown@umanitoba.ca	474 6338
Kamni Gill Assistant Professor	412 Architecture 2	kamni.gill@umanitoba.ca	474 6227
Leanne Muir Instructor 2	201K Russell Building	leanne.muir@umanitoba.ca	474 7532
ADMINISTRATIVE STAFF			
Tobi Hawkin Student Services Assistant	201N Russell Building	tobi.hawkins@umanitoba.ca	474-6578
Carrie Johnson Undergrad. Student Advisor	201B Russell Building	carrie.johnson@umanitoba.ca	474 9566
Laura Kryger Administrative Services	201F Russell Building	laura.kryger@umanitoba.ca	474 7462
Heather Lins Graduate Student Advisor	201E Russell Building	heather.schnaider@umanitoba.ca	474 8769
Brandy O'Reilly Partners Program Coordinator	212 Russell Building	brandy.oreilly@umanitoba.ca	474 7938
Corrine Klekta Awards and Student Services	212 Russell Building	corrine.klekta@umanitoba.ca	474 9432
Philippa Alexiuk Dean's Office	2010 Russell Building	philippa.alexiuk@umanitoba.ca	474 6433
Chris Leigh CADLab	100 Level Architecture 2	chris.leigh@umanitoba.ca	474 9945
Kellen Deighton Workshop Coordinator	101 Russell Building	Kellen.Deighton@umanitoba.ca	474 6436

APPENDIX A: MLA COURSE SUMMARIES

LANDSCAPE + URBANISM / MLA 1 + 2 COURSES

EVLU 3000 – HISTORY OF DESIGNED ENVIRONMENTS

3 CREDIT HOURS

A critical examination and appraisal of design for dwelling in the context of settlement with emphasis on representation of diverse positions on key issues in design practice. Studies will include consideration of cross cultural precedents and lessons from around the world.

EVLU 3002 – SITE PLANNING

3 CREDIT HOURS

An investigation of the relationship between natural and cultural processes in the formation of the built environment, including a review of the methods and strategies employed for site programming, inventory, analysis, and development at different scales of intervention.

EVLU 3004 – ECOLOGY AND DESIGN 2

3 CREDIT HOURS

This course will focus on an examination of ecological and technological perspectives on the planning, design and making of the physical environment. This will include a meshing of prediction and advocacy concerning new models of sustainable urbanization, focusing on green technology and infrastructure. Key theories and their application to landscapes at varied scales will be considered along with salient literature, current issues, design precedents and potentials for creative expression and interpretation. Course EVDS 2200 is a pre-requisite for BED students.

EVLU 3006 – STUDIO 3: DWELLING / PRECINCT / EVERYDAY LIFE

9 CREDIT HOURS

A studio / lecture course that examines the notion of dwelling through spatial design with a concentration at the scale of the precinct in the private to semi-private realm focusing on the needs of the individual, on spatial qualities, materials, and site design detail. Theoretical, analytical, conceptual, design, planning and communication skills in landscape + urbanism will be developed and applied in distinct projects. Emphasis is on habitat by design, issues of contested space, ecological design and sustainability. May include a mandatory field studies trip; location and cost to be determined on a yearly basis.

EVLU 3008 – STUDIO 4: NETWORKS AND INFRASTRUCTURE

9 CREDIT HOURS

A critical exploration of analytical, conceptual, and developmental aspects of design of the public realm in an experimental studio setting, social, political, economic, communication, and ecological networks will be studied at the scale of neighbourhood and community in the urban realm.

EVLU 3010 – LANDSCAPE + URBANISM THEORY**3 CREDIT HOURS**

An examination through lectures, readings, seminars and essay assignments, of twentieth and twenty first century philosophical thinking, which has been influential in the theory and practice of landscape architecture, planning and urbanism. Emphasis is on ideas, paradigms, and manifestos. This will include a study of the social, political, religious, cultural, technological, and aesthetic forces behind landscape and urbanism, and the forms that they have generated.

EVLU 3012 – SITE MORPHOLOGY AND GRADING**3 CREDIT HOURS**

An examination of the means and methods used to create landscapes that are shaped by earthwork grading. This will include the study of the forces, principles, and techniques in the modelling and manipulation of the ground plane and the resolution of cultural, ecological and hydrological design considerations implicit in landform design.

EVLU 4000 – PHILOSOPHY, ETHICS AND AESTHETICS**3 CREDIT HOURS**

An examination of philosophical issues and debates regarding ethics and aesthetics, and their influence and potential upon urban design and urban form in the past and present, and to speculate upon the future. Course EVLU 3010 is a pre-requisite for BED students

EVLU 4002 – LANDSCAPE CONSTRUCTION MATERIALS**3 CREDIT HOURS**

A comprehensive introduction to construction materials, methods and processes. Examination of regulatory issues of human safety and techniques for communicating construction proposals with application to how this information is incorporated into contracts. Field trips to nurseries, quarries, lumber yards, and urban sites where students can observe materials transformed to comply with the requirements of designers. Course EVLU 3012 is a pre-requisite for ED students.

EVLU 4008 – PLANTS, ECOSYSTEMS AND DESIGN**3 CREDIT HOURS**

The examination of cultural and technical aspects of designing with plants will be explored in an urban context through field investigations, lectures, seminars and assignments. Issues of plant identification, planting design types, their application to contemporary landscape architecture, technical requirements, planting details and ecological integration in the urban environment will be included.

EVLU 4012 – STUDIO 5: POSSIBLE URBANISM(S)**9 CREDIT HOURS**

A radical exploration of analytical, conceptual, and socio-political aspects of urban public place in an experimental studio setting. An emphasis will be placed on design as mediation between competing demands. The studio incorporates the theory and application of three dimensional simulation technology in design.

EVLU 4014 – STUDIO 6: EMERGENT FUTURES

9 CREDIT HOURS

This studio integrates planning and design from the scale of urban infrastructure through to design detail in the context of landscape and urbanism. An emphasis is placed on the challenges of relevant equitable environmental and social design in the post-industrial world. The studio incorporates the theory and application of GIS technology in design.

EVLU 4016 – HISTORY OF LANDSCAPE AND URBANISM

3 CREDIT HOURS

An historical survey of human-made landscapes and urban settlement form, patterns, and types, including major themes and movements. Course EVLU 3000 is a pre-requisite.

EVLU 4018 – PRINCIPLES OF URBAN DESIGN

3 CREDIT HOURS

This course examines urban design principles, practices, and applications including political and social systems, and their impacts on contemporary urban conditions.

MLA STUDIOS

LARC 7110 – LANDSCAPE ARCHITECTURE STUDIO 1 (M1 FIRST STUDIO)

9 CREDIT HOURS

An introductory study of structure and order within nature and the built environment. Instruction in the principles of design, the basic elements of graphic and spatial composition, and the vocabulary and methods of approach to landscape architectural design within a variety of contexts.

LARC 7222 – LANDSCAPE ARCHITECTURE STUDIO 2

9 CREDIT HOURS

Studio-based study that explores analytical, conceptual, and developmental aspects of urban public places in an experimental studio-based setting. An emphasis is placed on design as mediation between competing demands. The studio incorporates the application of three-dimensional simulation technologies in design.

LARC 7330 – LANDSCAPE ARCHITECTURE STUDIO 3

9 CREDIT HOURS

Studio-based study and analysis of design issues resulting from human use, responses to, and adaptation of areas and sites. Development of proposals for planning of context and proposals for site specific design interventions that mediate between intrinsic site qualities and human demands and expectations of them in that particular locale.

LARC 7340 – LANDSCAPE ARCHITECTURE STUDIO 4

9 CREDIT HOURS

Studio-based study and analysis of resource conservation and other issues resulting from human demands on the natural environment. Development of proposals for planning of context and proposals for regionally specific design interventions that seek to protect intrinsic regional qualities while accommodating reasonable human demands on them. Particular attention will be paid to detailed meso and macro scaled site resolution.

MLA LECTURE + SEMINAR COURSES

LARC 6150 – LANDSCAPE ARCHITECTURE COMMUNICATION

3 CREDIT HOURS

The objectives of this course are to promote an awareness of the diversity of graphic expression and to encourage experimentation. Students are given the opportunity to practice drawing and graphic communication skills and techniques through studio exercises.

LARC 7002 – LANDSCAPE CONSTRUCTION + PROFESSIONAL PRACTICE

3 CREDIT HOURS

Lecture-based course including visits to local offices and addressing legal context and circumscriptions on professional practice; responsibilities with respect to human health, safety and welfare; professional ethics; the modus operandi of professional design organizations, including office and project management, letting and running of construction contracts; detailed design and documentation exercises including preparation of construction documents.

LARC 7020 – FIELD STUDIES

3 CREDIT HOURS

Field studies to Canadian or international locations and sites of specific interest to the discipline. Work during the visits will include presentation by students of previously prepared site introductions and the keeping of visual records in a variety of media with a view to preparing an exhibition of their findings. Work in the Field studies course will be informed by the selected topics for the winter term LA Studio 3 and LA Studio 4.

LARC 7040 – DESIGN RESEARCH

3 CREDIT HOURS

Seminar-based course that introduces a variety of approaches to the collection, evaluation, and application of data pertinent to the development of design-based responses to a wide range of landscape, environmental, and social issues.

LARC 7120 – SPECIAL TOPICS IN LANDSCAPE ARCHITECTURE

3 CREDIT HOURS

An assignment and conference course. A detailed study of some special topics in landscape architecture, including environmental sustainability, urban landscape technology, and housing form.

LARC 7160 – LANDSCAPE ARCHITECTURAL FIELD ECOLOGY (NOT OFFERED 2020-21)

3 CREDIT HOURS

Field study of plant taxonomy and ecology. Approximately two weeks' duration immediately prior to the beginning of Fall term. For Landscape Architecture students or with consent of Department Head.

LARC 7250 – LANDSCAPE ARCHITECTURE THEORY

3 CREDIT HOURS

Investigation of the theoretical foundations of landscape architecture in order to understand the complex nature of its practice, to identify its disciplinary boundaries, understand its multidisciplinary nature and to investigate assumptions and myths that permeate its limited discourse.

LARC 7310 – LANDSCAPE DESIGN SEMINAR 1

3 CREDIT HOURS

A cross-cultural overview of significant discourses influencing design thinking and the resulting landscapes. In 2020-21 this will be a seminar addressing planting design and technique. Approximately 6 days' duration immediately prior to the beginning of Fall term.

LARC 7320 – LANDSCAPE DESIGN SEMINAR 2

3 CREDIT HOURS

An examination of how ideas are expressed in / through design with a focus on modes of communication, representation and engagement. In 2020-21 this will be a seminar course addressing seminal built projects of landscape architecture.

LARC 7400 – LANDSCAPE TOPICS

3 CREDIT HOURS

Critical examination of an individual topic of study of relevance to contemporary landscape architecture. This course will lead to the completion of a practicum or thesis proposal.

APPENDIX B: SUPPLIES AND EQUIPMENT

This Appendix contains relevant excerpts from requirements for all students entering the ED2 Year. It is provided here on an advisory basis for students entering the first year of the MLA program.

DRAWING AND PHOTOGRAPHIC SUPPLIES

Students are encouraged to bring with them any art supplies, drafting supplies and general office supplies (eg staplers, hole punchers, erasers, pens, pencils, cutting knife & blades) that they already own. The University Bookstore assembles complete packages of the equipment and supplies that are needed to set up a studio. The Faculty consults with the Bookstore to ensure quality equipment at competitive prices for students in the Faculty of Architecture.

The ED Studio One Kit costs approximately \$650 and represents a +/- 40% discount from the list price on the items if they were to be sold separately. Some other “pick-up items” are listed that are not part of the kit. The “pick-up items”, which are also discounted, must be purchased separately from the kit. The total cost of equipment and supplies (including the discounts) for the ED Studio is approximately \$900 EXCLUDING the cost of a camera, which many students may have already. Students should wait to make a decision on a camera, if they do not already have one, until after they start their courses.

PICK-UP ITEMS (in addition to the Drafting Kit Lists given below):

- technical pen set or disposable pens (sizes 0.3, 0.5, 0.7 mm)
- drafting lamp
- drawing board (there are several options) - bring one from home 30" x 42" x 3/4" plywood board (one good smooth side) OR buy a 30" x 42" drafting board from a drafting supply store (not particle board) OR buy a 30" x 42" plywood board in the workshop when classes begin OR buy a used board (check the bulletin boards in the Faculty). If you only bring or purchase the plywood and not a fully assembled drawing board, you will also need to purchase a Vinyl Board Cover (“Borco”) and Mayline 42" Parallel Rule
- Moleskine brand dot grid sketchbook
- model making equipment as required for specific assignments
- First Aid Kit – small basic kit

ENVIRONMENTAL DESIGN PROGRAM DRAFTING KIT:

Students should access the [Environmental Design](#) Program website and click on the “Supply List” box in order to retrieve information for the current academic year.

SITE SAFETY EQUIPMENT

for site visits:

- hard hat
- steel toe boots
- site safety glasses
- high-visibility vest

CAMERA PURCHASE

Photography is a standard method of recording information and documenting projects in studio courses. There is a wide range of options, brands, and prices. You will require a digital camera that meets minimum requirements as outlined on the website. Students should access the [Environmental Design](#) Program website and click on the "Camera Requirements" box in order to retrieve information for the current academic year.

The CADLab has several lenses that can be borrowed by students. Their inventory is listed here:

http://umanitoba.ca/faculties/architecture/cadlab/cadlab_equipment_loans.html

Cameras can be purchased new, used (in camera stores, newspaper classifieds or on Internet auction sites), or rented from specialist stores. If you are uncertain about what to buy, or do not live in an area with a competitive camera market, we suggest you purchase your camera in Winnipeg. If you need information about digital cameras features and specifications you can check the following web sites: www.imaging-resource.com, www.dpreview.com, or telephone the contacts below.

There are several camera shops in Winnipeg if you are purchasing new equipment, most of them offer the standard brands – Canon, Nikon, Olympus, Pentax, and Sony – and are competitive in price. We suggest that you do price comparisons and purchase from a dealer who seems knowledgeable about the product (operation, warranty, flexibility) and will provide good follow-up service.

CAMERA STORES

Photo Central, 957 Portage Avenue Telephone: 204 774 4343

Contact: Andrew Toews or Chris Insull

Andrew or Chris will advise individuals on a one to one basis or in small groups, concerning camera purchase to suit personal long-term needs. They provide good follow-up service. Call before you go and identify yourselves as Faculty of Architecture students. They also carry second hand equipment.

Don's Photo, 1839 Main Street Telephone: 204 942 8335

410 Portage Avenue (Portage & Kennedy) Telephone: 204 942

3143 845 Dakota Street Telephone: 204 254 9075

Henry's Winnipeg, 1580 Kenaston Blvd., Unit 120 Telephone: (204) 477-0000

Stores such as London Drugs, Best Buy, and Future Shop also sell cameras, but not necessarily by experienced photographers.

COMPUTER PURCHASE

Students should access the [Environmental Design](#) Program website and click on the "Laptop and Software requirements" box in order to retrieve information for the current academic year.

APPENDIX C: SCHEDULE OF DEPARTMENT OF LANDSCAPE ARCHITECTURE EVENTS

Students should access the [department](#) website and click on the “Department events” box in order to retrieve the list of events scheduled for the current academic year.