

**Revised Curriculum**  
**Bachelor of Arts Degree Programme**  
**Center for Distance and Continuing Education 2021**

**Subject: Vāstuvidyā**

<b>Year Study</b>	<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Compulsory /Optional</b>	<b>Credits</b>
1	1 & 2	VAST 18214	Evolution of Vāstuvidyā	Compulsory	4
		VAST 18224	Theories on the selection of the land and Techniques of House Planning	Compulsory	4
2	3 & 4	VAST 28214	Fundamentals of Architectural Drawings – I-II	Compulsory	4
		VAST 28224	Measurements, Interior Design & Door Planning	Compulsory	4
3	5 & 6	VAST 38214	Computer Aided architectural Drafting	Compulsory	4
		VAST 38224	Defects and the Remedies & Astrology on Vāstuvidyā	Compulsory	4

<b>Course Code:</b>	<b>VAST 18214</b>
<b>Compulsory/Optional:</b>	<b>Compulsory</b>
<b>Course Name:</b>	<b>Evolution of Vāstuvidyā</b>
<b>Intended Learning Outcomes:</b>	<p>Intended Learning Outcomes:</p> <p>At the completion of this course student will be able to</p> <ul style="list-style-type: none"> <li>➤ To identify different types of lands and sites</li> <li>➤ To discuss the doctrine of orientation</li> <li>➤ To analyze <i>the padakñetra</i> and effects</li> <li>➤ To explain the theories of Bhū parigraha based on primary sources</li> <li>➤ To recognize the outset of <i>vāstuvidyā</i> in Sri Lanka based on primary sources</li> <li>➤ To group and examine the structure of <i>vāstuvidyā</i> texts composed in Sri Lanka</li> </ul>
<b>Course Content</b>	History of <i>vāstuvidyā</i> , Historical and Literary Sources, Ancient places, Construction of Monasteries, Techniques of building Pagodas, Ancient town planning in Sri Lanka, Influence of <i>vāstu</i> texts on house planning in Sri Lanka, The Changes of different eras, Different types of houses material, Sanskrit <i>Vāstutexts asmañjuçrébhāñita, vāstuvidyāçāstra, citrakarmaçāstra , çāriputrabimbamāna, rūpāvalé, vaijyantatantra, purāēamaimataya</i> (scope and structure of those vital texts)
<b>Teaching /Learning Activities:</b>	Lectures, Discussions, Assignments, Workshop All should be presented by using LMS (As PowerPoint presentation), Using web search and self-studies methods.
<b>Assessment Strategy:</b>	Written exam (100 marks) or written exam (80 marks) + assignments (20marks) at end of the academic year.
<b>Recommended Reading:</b>	<ul style="list-style-type: none"> <li>• Babu, Niranjan, B. <i>Handbook of Vāstu</i>, 2005, UBS Publishers' Distributors Pvt. Ltd, New</li> <li>• James, Burgess, &amp; Phener, Spiers, <i>History of Indian and Eastern Architecture</i>, 1967, Manmohan Manoghopal Publishers, Delhi.</li> <li>• Kumar, Acharya, P., <i>A Dictionary of Hindu Architecture</i>, 1981, Oriental Books Reprint Corporation, New Delhi.</li> <li>• Kumar, Acharya, P., <i>Architecture Of Mānasāra</i>, 1980, Oriental Books Reprint Corporation, New Delhi.</li> </ul>

<b>Course Code:</b>	<b>VAST 18224</b>
<b>Compulsory/Optional:</b>	<b>Compulsory</b>
<b>Course Name:</b>	<b>Theories on the selection of the land and Techniques of House Planning</b>
<b>Intended Learning Outcomes:</b>	<p>Intended Learning Outcomes:</p> <p>At the completion of this course student will be able to</p> <p>To identify different types of lands and sites</p> <p>To explain the theories of Bhū parigraha on the basis of primary sources</p> <p>To discuss the doctrine of orientation</p> <p>To analyze the <i>padakñetra</i> and effects</p> <p>To describe the theories related to places and <i>çälägâha</i></p> <p>To differentiate the house categories</p> <p>To house analyze the Veritable of house,</p>
<b>Course Content</b>	<p>What is a <i>Bhū</i>, Types of Soils, Soil Testing, Different types of Lands, methods, Sixteen types of Lands, Effects of Lands, Directions and landsides of lands, Ten types of special lands, measurement of land (<i>pādavibhedana karma</i>), <i>dinnirēya</i> (Doctrine of orientation), Purification of <i>Bhūmi</i>, Theories of <i>kākhī</i>, forty sites, site Plans, What is <i>gâha</i>, Types of house, Sixteen types of main houses, House categorizations related main four castes, Types of palaces, Other type of houses, Width and the weight of the houses, <i>çälägâhavarga</i>, <i>prāsāda</i></p>
<b>Teaching /Learning Activities:</b>	<p>Lectures, Discussions, Assignments, Workshop</p> <p>All should be presented by using LMS (As PowerPoint presentation), Using web search and self-studies methods.</p>
<b>Assessment Strategy:</b>	<p>Written exam (100 marks) or written exam (80 marks) + assignments (20marks) at end of the academic year.</p>
<b>Recommended Reading:</b>	<ul style="list-style-type: none"> <li>Altekar, Rahul, Viswas, <i>Vāṣṭu śāstra</i>, 2004, D.K. Print World Pvt. Ltd, New Delhi.</li> <li>Babu, Niranjan, B. <i>Handbook of Vāṣṭu</i>, 2005, UBS Publishers' Distributors Pvt. Ltd, New Delhi.</li> <li>Devi, Vasudev, Gayatri, <i>Vāṣṭu</i>, 2009, Motilal Banarshidass Publishers, Delhi.</li> <li>අල්පහාමි, හර්මානිස්, වයි. ඒ., <i>වාස්තු විද්‍යාව හෙවත් ගෘහනිර්මාණ ශිල්පය</i>, 2008, සීමාසහිත ඇම්.ඩී. ගුණසේන සහ සමාගම, කොළඹ.</li> <li>Kumar, Acharya, P., <i>A Dictionary of Hindu Architecture</i>, 1981, Oriental Books Reprint Corporation, New Delhi.</li> </ul>

<b>Course Code:</b>	<b>VAST 28214</b>
<b>Compulsory/ Optional:</b>	<b>Compulsory</b>
<b>Course Name:</b>	<b>Fundamentals of Architectural Drawings – I-II</b>
<b>Intended Learning Outcomes:</b>	<p>Intended Learning Outcomes:</p> <p>At the completion of this course student will be able to</p> <p>To identify the main interface elements, set up.</p> <p>To create and use drawing templates files.</p> <p>To describe the object property management system</p> <p>To explain the workflows for organizing drawing geometry</p> <p>To create mechanical structure</p> <p>To describe the core mechanical design tools</p> <p>To modify and edit drawing objects.</p> <p>To create production – ready drawings in model space</p> <p>To notate a drawing through the creation and editing of dimensions</p>
<b>Course Content</b>	<p>Intro to CAD, Intro to AutoCAD, Starting AutoCAD, Command and input methods, using dialog boxes, Starting a drawing, Setting up a drawing, precision Drawing and drawing aids, Geometric shapes, Constructing geometric figures, Coordinate system and modify commands, Drawing construction lines, Setting line type, Scale factor, Basic printing, Editing Tools.</p> <p>Architectural views and drafting views, 3D modeling with AutoCAD (surface, solid), 3D modeling with sketch up, annotating in AutoCAD with text and Hatching, layers, object grouping, Multiple layouts, Templates and Design center, Advanced plotting, Dimensioning.</p>
<b>Teaching /Learning Activities:</b>	<p>Lectures, Discussions, Assignments, Workshop</p> <p>All should be presented by using LMS (As PowerPoint presentation), Using web search and self-studies methods.</p>
<b>Assessment Strategy:</b>	Written exam (100 marks) or written exam (80 marks) + assignments (20marks) at end of the academic year.
<b>Recommended Reading:</b>	<ul style="list-style-type: none"> <li>● Lockley, S. R., &amp; Mahdjoubi, L. (1996). <i>AutoCAD</i>. London: DP Publications.</li> <li>● Yarwood, A. (1991). <i>A student's AutoCAD</i>. Harlow, Essex, England: Longman Scientific &amp; Technical.</li> <li>● Bertoline, G. R., &amp; Frampton, J. D. (1994). <i>The essential AutoCAD</i>. New York: Macmillan College.</li> <li>● McFarlane, R. (2002). <i>Beginning AutoCAD 2002</i>. Oxford: Butterworth Heinemann.</li> </ul>

<b>Course Code:</b>	<b>VAST 28224</b>
<b>Compulsory/ Optional:</b>	<b>Compulsory</b>
<b>Course Name:</b>	<b>Measurements, Interior Design and Door Planning</b>
<b>Intended Learning Outcomes:</b>	<p>At the completion of this course student will be able to</p> <p>To recognize the various types of measurements</p> <p>To differentiate the modern and traditional measurements</p> <p>To explain the structure of <i>piëðacakra</i></p> <p>To analyze the <i>kñetraphalasädhanavidhi</i></p> <p>To describe the theories of establishment interior segments/ portions based on primary texts,</p> <p>To categorize the doors about the direction</p> <p>To analyze the effects and effects of door establishment.</p> <p>To explain the different kinds of door - establishments</p>
<b>Course Content</b>	<p>Types of measurements, Inch, Cubit, Different types of measurements, <i>kñetraphalasädhanaya</i>, <i>iñöaäya</i>, Measurements of normal houses and palaces, Measurements of monasteries, Width and Length, <i>äyädināðvarga</i>, <i>piëðacakra</i>, Measurements of basement, Storages, Height length and width of the wall, Differences and similarities of modern and ancient measurements, Measurements of different plans, sites, Master bedroom, Study room, Guest room, Kitchen, dining room, Living room, Shrine room, Storeroom, Staircases, Balcony Types of doors, Appropriate places for doors, Doors and direction, Effects of door. Establishment of main door, Methods of selection of right place for sub- doors,</p>
<b>Teaching /Learning Activities:</b>	<p>Lectures, Discussions, Assignments, Workshop</p> <p>All should be presented by using LMS (As PowerPoint presentation), Using web search and self-studies methods.</p>
<b>Assessment Strategy:</b>	<p>Written exam (100 marks) or written exam (80 marks) + assignments (20marks) at end of the academic year.</p>
<b>Recommended Reading:</b>	<ul style="list-style-type: none"> <li>• Bandaranayaka, S, <i>Singhalese Monastic Architecture</i>, 1974, Studies in South Asian Culture, London.</li> <li>• Battacharya, Barapada, <i>A Study on Vastu-Vidya or Cannons of Indian Architecture</i>, 1947, Taraporevala Publishers, Delhi</li> <li>• Coomaraswamy, Ananda, K., <i>Early Indian Palaces</i>, 1975, Munshiram Manoharlal Publishers, Pvt Ltd, New Delhi</li> <li>• Marcuss, Fernando, W.B., <i>Ancient City of Anuradapura</i>, 1965, The Archeological Department.</li> <li>• වැලිකල ඩී.එස්.පී., <i>ගොඩනැගිලිදිකිරීම් කාක්ෂණය</i>, 1992, ද කොලිටි ප්‍රින්ටර්ස්, නුගේගොඩ.</li> <li>• සෙනෙවිරත්න, මතුගම, <i>සිංහල වාස්තු කිරීත්තම</i>, 1998, කර්තෘ ප්‍රකාශන.</li> </ul>

<b>Course Code:</b>	<b>VAST 38214</b>
<b>Compulsory/Optional:</b>	<b>Compulsory</b>
<b>Course Name:</b>	<b>Computer Aided Architectural Drafting</b>
<b>Intended Learning Outcomes:</b>	<p>Intended Learning Outcomes:</p> <p>To explain how to create and edit a bill of materials.</p> <p>To create a custom drafting standard and drawing template</p> <p>To utilize the mechanical options for the CAD manager</p> <p>To analyze the architectural drafting with a focus on industry standard</p> <p>To create 2D representations of 3D objects</p> <p>To construct accurate 2D geometry, 3D shapes and surface objects</p>
<b>Course Content</b>	<p>Blocks, drafting symbols, attributes, extracting data, structural design, vertical circulation, floors, Roofs, Fixtures, furnishing and equipment, building model views, annotation (drawing Scale, Dimensioning in the software), scheduling, creating details and visualization.</p>
<b>Teaching /Learning Activities:</b>	<p>Lectures, Discussions, Assignments, Workshop</p> <p>All should be presented by using LMS (As PowerPoint presentation), Using web search and self-studies methods.</p>
<b>Assessment Strategy:</b>	<p>Written exam (100 marks) or written exam (80 marks) + assignments (20marks) at end of the academic year.</p>
<b>Recommended Reading:</b>	<ul style="list-style-type: none"> <li>• Lockley, S. R., &amp; Mahdjoubi, L. (1996). <i>AutoCAD</i>. London: DP Publications.</li> <li>• Earle, J. H. (2008). <i>Engineering design graphics: AutoCAD 2007</i>. Upper Saddle River, N.J: Pearson/Prentice Hall.</li> <li>• Bertoline, G. R., &amp; Frampton, J. D. (1994). <i>The essential AutoCAD</i>. New York: Macmillan College.</li> <li>• McFarlane, R. (2002). <i>Beginning AutoCAD 2002</i>. Oxford: Butterworth Heinemann.</li> <li>• Thomas, R. M. (1989). <i>Advanced techniques in AutoCAD</i>. San Francisco: Sybex.</li> </ul>

<b>Course Code:</b>	<b>VAST 38224</b>
<b>Compulsory/Optional:</b>	<b>Compulsory</b>
<b>Course Name:</b>	<b>Defects and the Remedies and Astrology; Rituals on västuvärdy</b>
<b>Intended Learning Outcomes:</b>	<p>Intended Learning Outcomes:</p> <p>To prepare the auspicious time about the house construction</p> <p>To explain the astrological aspects related to västuvärdy</p>

	<p>To distinguish the various rituals based on primary texts.</p> <p>To use the rituals accurately</p> <p>To define the defects</p> <p>To describe the various kinds of effects</p> <p style="padding-left: 40px;">To analyze the effects of defects</p> <p style="padding-left: 40px;">To construct the accurate remedies</p> <p>To explain the scientific reasons of defects and remedies</p>
<b>Course Content</b>	<p><i>gāhārambhamuhūrtavidhi, gāhanakñātra</i>, auspicious time, <i>nāḍīkūta</i>, <i>gaëamaitrévibhāga</i>, <i>daçäphala</i>, <i>çalyoddhārācakra</i>, <i>ahivalayācakra</i>, <i>vāñābha</i>, <i>vāstucakradvārācakra</i>, Vital Rituals related to purification of land, Inception of foundation, <i>çalysthāpana</i>, Establishment of door bars, auspicious entrance, Essential materials for foundation stone, <i>çubhāçubhavidhi</i>.</p> <p><i>marmā – vaāça – rajju- çirā-bhūmidoña-dvāravedha-gāhavedhadoña-kūpadoña-diñādoña</i> and remedies for those <i>vedhadoña</i>s review and scrutiny of selected plans</p>
<b>Teaching /Learning Activities:</b>	<p>Lectures, Discussions, Assignments, Workshop</p> <p>All should be presented by using LMS (As PowerPoint presentation), Using web search and self-studies methods.</p>
<b>Assessment Strategy:</b>	<p>Written exam (100 marks) or written exam (80 marks) + assignments (20marks) at end of the academic year.</p>
<b>Recommended Reading:</b>	<ul style="list-style-type: none"> <li>• Babu, Niranjan, B. <i>Handbook of Vāstu</i>, 2005, UBS Publishers' Distributors Pvt. Ltd, New Delhi.</li> <li>• Devi, Vasudev, Gayatri, <i>Vāstu</i>, 2009, Motilal Banarshidass Publishers, Delhi.</li> <li>• Kumar, Acharya, P., <i>A Dictionary of Hindu Architecture</i>, 1981, Oriental Books Reprint Corporation, New Delhi.</li> <li>• Kumar, Acharya, P., <i>Indian Architecture According to Māhātmya</i>, 1927, The Oxford University Press, Bombay</li> <li>• Press, Bombay</li> <li>• අල්පහාමි, හර්මානිස්, ඩබ්. ඒ., <i>වාස්තු විද්‍යාව හෙවත් ගෘහනිර්මාණ ශිල්පය</i>, 2008, සීමාසහිත ඇම්.ඩී. ගුණසේනපාසමාගම, කොළඹ.</li> </ul>