

**ELECTIVE OFFERINGS**  
**1st Semester, SY2020-2021**

	COURSE	COURSE DESCRIPTION	COURSE REQUIREMENT	DEPT IN CHARGE
<b>CREATIVES</b>				
1	Abnormal Psychology	This course introduces definition and history of Abnormal Psychology, which draw their foundation from the theories and principles of Psychology in light of different perspectives. It highlights the theories and causes of psychological disorders and problems in living (i.e. stress, anxiety and coping.) Contemporary approaches to the analysis, diagnosis and treatment of psychological disorders with special emphasis on its occurrence in the Philippine setting. The different psychological approaches while focusing on the processes and applications of these disciplines in critical development areas.		HUMSS/ABM/TVL
2	Advanced Excel for Business	The course introduces the students with the advanced functions of Microsoft Excel that is used in various business operations.	Laptop/desktop with Microsoft Excel	HUMSS/ABM/TVL
3	Architectural Design	A full in depth study on architectural design, including design concepts, philosophies, space programming, evolution of forms, architectural design implementations and layout, manual drafting of perspectives, and graphical presentations. A full detailed architectural presentation will be taught to the students including the graphic standards and implementation of design. This course is aimed towards students who will take up architecture as their course in college as part of the curriculum under the subject of Architecture Design 1.		STEM/ICT

4	Backpacking in Asia: A Course on Low-cost and Independent Travel	<p>Are you one of the many who dreams of visiting popular destinations outside the country in the near future? Then this elective subject is definitely for you.</p> <p>This course will tackle the different aspects of low-cost and independent travel in popular Asian destinations. Through this subject, you will have a chance to explore the popular tourist and cultural spots in Asia and you will also learn how to create a travel itinerary for different types of tourists. Online live lectures and panel discussions with fellow travelers and jet-setters will also be conducted throughout the duration of the course to give you tips and tricks before, during and after your travel.</p>		STEM/ICT
5	Bioethics	<p>Students in this elective subject will be introduced to the subdiscipline of bioethics, which encompasses ethical problems that arise in health care settings. This also includes discussion of environmental and research ethics, as well as a patient's role in making decisions about his or her own health.</p>		
6	Biotechnology	<p>Open to both STEM and non-STEM students, this course is designed to give students both a theoretical background and a working knowledge of the techniques employed in biotechnology .</p> <p>Emphasis will be placed on its uses in agriculture, medicine, and conservation and the possible social, economic and cultural impacts of Biotechnology to society.</p>		STEM/ICT

7	Calligraphy 2	This course aims the students to applying and mastering the key techniques of modern calligraphy. This is a skills-oriented course which acquaints students to appreciate and rediscover the beauty of the handwritten word. The students will become more aware of letterforms using dip pens and will be able to produce designs in various products and communicate ideas in different media.	MUST HAVE BASIC CALLIGRAPHY SKILLS Laptop/Desktop and Head phones or Headset, internet connection Materials: Drill Plates, Nikko G/Hunt 22 Nib/ Tachikawa G Nib, India/ sumi/ walnut Ink, Watercolor and brush, Watercolor paper (200 gsm or higher gsm), Eraser, Ruler, Straight and oblique pen holder	STEM/ICT
8	Chemistry of Fireworks	This course will deal with the study of fireworks. The students will learn about the following: (1) chemicals used in its manufacture, (2) different materials used, (3) commercial fireworks, (4) safety procedures, (5) applications, (6) pyrotechnic chemistry, (7) engineering behind a firework, and (8) environmental safety.		STEM/ICT
9	Citizen Journalism	This course examines social media as a platform of and for journalism as information is created and shared by the general public who plays a vital role in collecting and producing mediated content. The course aims to provide comprehension of editorial management and principles uniquely for various social media platforms. The communicative process and value are highlighted to provide students with authentic experiences to explore and identify a niche in the constantly progressing new media.		HUMSS/ABM/TVL

10	Communicating Statistics Through Data Science	This course deals with general and advanced statistical methods and their applications to different fields. Topics include Basic Concepts in Statistics, Descriptive Statistics, Sampling, Experimental Designs and Multivariate Analysis which are all prerequisites of Data Science. It bridges theory and applications by emphasizing analytical and critical thinking for decision making by statistical analysis of real-life data. It provides exercises on problem solving which can be worked out manually and using Statistical tools/packages. At the end of the course, students' skills	Calculator,laptop or desktop with MS Excel	STEM/ICT
11	Cookery 2 (hot meals)	This course is designed for a high school student to develop the knowledge, skills, and attitudes to perform Cookery tasks. It covers core competencies as follows: 1) preparation of egg dishes, 2) preparation of cereals and starch dishes, (3) preparation of vegetable dishes, (4) preparation and cooking of seafood dishes, (5) preparation of stocks, sauces, and soups, (6) preparation of poultry and game dishes, and (7) preparation of and cooking meat.	Basic Kitchen Tools, Utensils, & Equipment and willingness to learn how to cook basic dishes.	HUMSS/ABM/TVL
12	Desktop Publishing	This course covers fundamentals of layout and graphic design, create publications using different desktop publishing software, awareness of publishing ethics and guidelines, the basics of desktop publishing, such as designing, developing, producing, and presenting documents. This promotes harmonious relationship among learners as they work independently and collaboratively and heightens sense of appreciation of God through logical reasoning.	Laptop/desktop, strong internet connection	STEM/ICT

13	Epidemiology 101: Essentials to Public Health	This course is designed to introduce in all fields of public health to the fundamental background, basic principles and methods of public health and epidemiology. Examining and analyzing data about diseases and other public health issues as well as its effect different aspects such as biological, behavioral, sociocultural and environmental factors associated with the etiology and distribution of health and diseases. This program will have a major contribution in spreading awareness about disease prevention and building a career around your passion for creating a healthier world and making a difference in people's lives.	For the program, students must have online class essentials such as working desktop or laptop and stable internet connection to view the subject and participate in online discussion on MS Teams. In addition, Students are also advised to prepare their own basic or scientific calculator for the subject as well the use of basic MS office applications preferably Microsoft Excel.	STEM/ICT
14	Ethical Theories	This course focuses on the study of ethics and ethical theories as an integral part of the 21st century society. The students are going to understand and interpret these theories and create comparisons and connections along the way, while critically evaluating how these theories affect real life situations and identifying which theories suit the developing Filipino ideology. At the end of the course, students are expected to exhibit deeper understanding of ethics through various theories and apply their learnings in their lives as Lasallian students.		HUMSS/ABM/TVL
15	Filipino Psychology	This course introduces facets of Filipino psyche, which draw their foundation from the theories and principles of Psychology in light of different perspectives. The course highlights the seamless inter-		HUMSS/ABM/TVL
16	Flairbartending	This course provides the students with the basic knowledge in preparation of alcoholic and non-alcoholic beverages within the current acceptable industry standards, bar set-up, equipment maintenance. It focuses on the skills and techniques of flairing, safety procedures and familiarization of the flair tools.	At least one (1) flair bottle	HUMSS/ABM/TVL

17	Foreign Language: Bahasa 1	Bahasa 1 is a communicative beginning-level Bahasa Indonesia course. Students will begin to develop their Bahasa proficiency through extensive interaction in the target language.		Core Education
18	Foreign Language: French 1	French 1 is a communicative beginning-level French course. Students will begin to develop their French proficiency through extensive interaction in the target language.		Core Education
19	Foreign Language: Japanese 1	Japanese 1 is a communicative beginning-level Japanese course. Students will begin to develop their Japanese proficiency through extensive interaction in the target language.	A gadget (e.g., mobile phone, laptop, tablet, etc.) capable of viewing videos and participating in MS Teams. Also, a	Core Education
20	Foreign Language: Spanish 1	Spanish 1 is a communicative beginning-level Spanish course. Students will begin to develop their Spanish proficiency through extensive interaction in the target language.		Core Education
21	Fundamentals of AutoCAD	This course covers a broad introduction and an understanding of the basic concepts and functions in AutoCAD. It aims to provide knowledge, skills, and values for students that is necessary to interpret, translate ideas and draw accurate drawing using computer-assisted drafting techniques. Upon completion of this course, students should be able to produce accurate and complete working drawings with the introduction of more advanced tools throughout the course.	Laptop or desktop preferably able to install CAD	STEM/ICT

22	Fundamentals of Cookery 1	<p>The course, cookery 1, is designed for a high school student to develop knowledge, skills, attitudes in the performance of cookery tasks. It covers the core competencies namely: (1) identify kitchen tools and equipment and their functions, (2) cleaning and maintaining kitchen premises, (3) preparing appetizers, (4) preparing salads and dressings, (5) preparing sandwiches, (6) preparing desserts, and (7) plating dishes. This course will also highlight the importance of following standard workplace procedures, occupational health and safety and the value of teamwork in order to achieve a particular goal.</p>	Cooking skills, Kitchen Tools and Equipment	HUMSS/ABM/TVL
23	Gender Studies	<p>This course introduces students to the subject of Gender and Development and the theoretical, empirical, and methodical bases of the gender lens. The course will focus on both the global and local issues of Gender and Development and will serve as a scaffold for the students in acquiring the skill of Gender Sensitivity in their academic and personal lives.</p>		HUMSS/ABM/TVL
24	Geomorphology	<p>Geomorphology is a branch of geology that deals with the study of the earth. Various landforms clearly make a big part to the history of how a landmass was made of and the things it underwent for it to form the way it is today. This course will focus on the landforms found in the Philippines, its compositions and the processes it has for its formation such as the Chocolate Hills in Bohol and the Underground River in Palawan. It also aims to spread awareness and correct information on the scientific processes these landforms had encountered and is encountering.</p>		STEM/ICT

25	Human Anatomy and Physiology	The course will allow students to develop an understanding of the relationships between the structures and functions of the human body.	A device (e.g. smart phone, laptop, tablet, etc.) that can be used to explore the application, TMAatomy (downloadable from your device's app store). TM Anatomy features the major content of the course.	STEM/ICT
26	Introduction to Electronics Printed Circuit Board Designing	This course will help the students in making Printed Circuit Board Design and understand the best practices in plotting and fabrication process. This will guide them in producing their own PCB design for their own prototype.	Laptop or desktop preferably able to install CAD	STEM/ICT
27	Introductory Genetics	The elective focuses on the development of specialized knowledge of specific lessons in Highschool General Biology. The elective is a self-paced (schoolbook integrated), non-laboratory and non-strand specific but requires moderate knowledge on basic biology especially on the aspect of cell life cycle. The lessons in this elective include discussions on animal breeding, bioethics on health and agriculture, computational analysis of genetic expression and health-research.	Internet access with the following applications (MS Teams, DLSU-D Schoolbook, Microsoft Excel), pen and paper for problem solving. Optional, but not required - bananas.	STEM/ICT
28	Introduksyon sa Baybayin	Nakatuon ang kursong ito sa kaligirang pangkasaysayan, pagkilala at pagsulat ng mga simbolo sa sinaunang paraan ng pagsulat ng mga Pilipino o mas kilala bilang baybayin. Sa pagtatapos ng kursong ito ang mga mag-aaral ay inaasahang mayroong sapat na kaalaman sa kaligirang pangkasaysayan ng baybayin, natutukoy at nasusulat ang bawat simbolong mayroon sa baybayin.	A gadget (e.g., mobile phone, laptop, tablet, etc.) capable of viewing videos and participating in MS Teams. Also, a writing pad for some writing exercises.	Core Education
29	Introduksyon sa Pagsulat ng Iskrip	Pokus ng kurso ang panimulang pag-aaral sa kalikasan at kabuluhan ng mga pampanitikan at pampamahayagang akda sa tri-media: print, radyo, at telebisyon/pelikula, na may tunguhing makasulat ng mga katulad na akda para sa mga naturang media. Masusing pag-aaralan at gagamitin ang mga istruktura, istilo at teknik sa pagsulat, at saka hahasain sa pamamagitan ng palihan at pangkatang analisis.		Core Education



30	ka-ALAM-idad (DRRR for Non-STEM)	The Philippines is an archipelago that lies on the Pacific Ring of Fire. That means two things: Earthquakes are commonly experienced because of the presence of active faults and volcanic eruptions may occur because of the active volcanoes present in the area. More so, it is also a tropical country that is a recipient of the typhoons that originate on the Pacific Ocean. This subject will focus on the Disaster Risk Reduction Management of the common calamities the Philippines experiences as well as to spread awareness on its hazards and mitigation.		STEM/ICT
31	K-dramas: Tropes and what make them click	This course will examine the different tropes in popular Korean TV dramas and why these click with global audiences. Students will watch and discuss popular dramas from different genres.	Internet connection, Netflix subscription and/or access to K-drama streaming sites	HUMSS/ABM/TVL
32	Kulturang Kabitenyo: Mga Erihiya, Lihim na Kapangyarihan, Pagkain, at iba pa	Mayaman ang lalawigan sa mga kinagisnang kultura na nakabatay sa masalimuot nitong lumipas. Bantog ang katapangan ng mga mamamayan nito sa kanilang mga pambihirang pakikipagsapalaran sa mga nagdaang himagsikan. Dakila at kapuri-		HUMSS/ABM/TVL
33	Leadership Through Sports	This elective course is offered to the Senior High School students of De La Salle University – Dasmarias. It is designed to equip the students through sports, the necessary skills and knowledge to become ethical and responsible leaders. This course will provide students with 21 <sup>st</sup> century skills such as creativity, collaboration, media literacy, critical thinking, communication, technology literacy, flexibility, and leadership. At the end of this course, the students are expected to showcase what it means to be a good leader guided by the Lasallian core value of Zeal for Service and Communion in Mission.		Core Education

34	Medical Microbiology: COVID-19 Awareness	This course focuses on the study of selected groups of bacteria, protozoa, fungi, and viruses which cause diseases to humans. At the end of this course, the students will be knowledgeable on how to control and prevent infection as well as how microbes cause diseases. The knowledge from this course would greatly promote awareness, especially in this time of COVID-19 pandemic, that would benefit the physical well-being of the student, his or her family and relatives, as well as the community he or she belongs to.		STEM/ICT
35	Musical Theatre	This course will examine musical theatre in its social, historical and creative context, and introduce students to practical skills in dance, acting and singing styles appropriate to this theatre form. Coursework culminates in student performances of excerpts from selected discussed musicals.	Should be able to carry a tune	HUMSS/ABM/TVL
36	Office Productivity	This course covers the office productivity tools available today, integrated functions and capabilities of the Microsoft Office suite for presenting documents effectively, advanced features of office productivity software for data processing data visualization,	laptop with MS Office Tools installed (at least 2016, if not updated, you may use your office 365 account to get free 2016 MS Office Tools for FREE, strong	STEM/ICT
37	Parliamentary Procedures	This course examines the principles, logic, and application of parliamentary procedure. It addresses how parliamentary procedure is used in meetings to encourage participation, exercise control, and increase efficiency and effectiveness.		HUMSS/ABM/TVL
38	Philippine Constitution	The course is an in-depth discussion of the Philippine Constitution, its interpretation and implementation. This course is an advantage to those who wish to take Political Science as their college degree.		HUMSS/ABM/TVL
39	Philippine Regional Cuisines	This course deals with the study of preparation and aesthetic presentation of Filipino dishes especially regional specialties.		HUMSS/ABM/TVL

40	Photography 1	<p>This course for new and amateur photographers introduces ways of seeing through the lens and makes plain the underlying two-dimensional design issues and visual concepts hidden within the photographic image. Through weekly assignments and critiques, students explore ways to use photography and photographic conventions for their unique personal expression. Lessons include the technical operations like focus, shutter speed and aperture common to all cameras, and how they influence artistic choices.</p>	DLSR Camera	HUMSS/ABM/TVL
41	Principles and Fundamentals of Architecture	<p>This course targets to instill the Social process of Architecture to the students. Interpreting space allocation, and Creative façade approaches. Following the Principles of Designs such as Scale, Balance, Proportion and the like, with their final course requirement of creating Architectural Scaled models and board presentations. Based on the present time, the student will visualize the types of design strategies that were implemented during early times and how it was applied to our design currently. This elective course will further deepen the knowledge of the students into pursuing architecture as their course in their university as it is part of the curriculum under the subject of Theory of Architecture.</p>		STEM/ICT

42	Programming Fundamentals	<p>This course introduces students to the field of Information Technology, Computer Science and Engineering. In addition, student's Researchers will gain a broad understanding of modern computer programming that will enable them design/developed system as their research project proposal. Students will acquire introductory skills in problem analysis, solution design, and program construction. Make coding fun, interactive, enjoyable, and study real-world skills. This promotes harmonious relationship among learners as they work independently and collaboratively heightens sense of appreciation of the God through logical reasoning.</p>	<p>Must have a laptop or desktop, OS must be at least Windows 10 and strong internet connection (at least 5 mbps)</p>	STEM/ICT
43	Public Speaking	<p>This course aims to harness the communication and presentation skills of the students that will aid them achieve effective techniques in public speaking and presentation, which are important skills in the 21st Century. In here, they will be able to deliver and create powerful speeches, perform persuasive and memorable presentations, and overcome stage apprehension.</p>		Core Education
44	Robotics 1 (Introduction to Arduino)	<p>This course will guide learner, step by step, through using the Arduino Kit to learn about the Arduino hardware, software and general electronics theory. Through the use of electronic projects we will take learner from the level of complete beginner through to having an intermediate set of skills in using the Arduino. The objective of this course is to give learner a gentle introduction to the Arduino, electronics and programming in C and to set learner up with the necessary skills needed to progress beyond the course and the kit into the world of the Arduino and microcontroller electronics.</p>	<p>Arduino Advanced Upgraded Starter Kit v5 (costs approximately Php1500) Laptop/desktop Online Arduino Simulator: <a href="https://www.tinkercad.com/">https://www.tinkercad.com/</a> Electronics and Programming Tools: <a href="http://arduino.org">http://arduino.org</a></p>	STEM/ICT

45	Robotics 3 (Arduino-Controlled Robotics)	This advanced course is for learners who want to explore Arduino-Controlled robotics concepts like: movement, obstacle detection, handling sensors, remote control, and all kinds of real world physical computing challenges. It is for learners who want to understand how these concepts can be used to build, expand and customized robots.	Pre-requisite: Robotics 1 & 2 Arduino Advance Starter Kit (costs approx. Php1500) Addon: Tracking/Avoidance/Obstacle Vehicle Robot Kit (costs approx. Php1000)	STEM/ICT
46	SAP Business One: Bookkeeping 1	This is an introductory course for SAP Business One - Bookkeeping. The course aims to simplify and integrate business transactions using computerized accounting. This course offers fundamental operations used in accounting such as journalizing, posting to ledger and preparation of financial statements through SAP Business One.	Laptop or desktop with stable internet connection	HUMSS/ABM/TVL
47	Sketching: Charcoal Drawing for Beginners	This course focuses on the various techniques and materials used for producing black and white drawings. Instruction will include lecture, demonstrations, quick-sketch exercises and study of the design elements and principles.	A gadget (e.g., mobile phone, laptop, tablet, etc.) capable of viewing videos and participating in MS Teams. Materials: sketch pad, eraser, sharpener, charcoal pencil, charcoal stick, white chalk, pastel pencil	Core Education
48	Social Psychology	This course introduces definition and history of Social Psychology. It is the scientific study of human social behavior, how and why we think, feel, behave and relate to one another in social situations. The major theories, concepts and empirical findings in social psychology are dealt with. This course will also discuss the major theories, concepts and related empirical findings in Social Psychology. Different topics about social thinking, social influence, social relations and its application to one's daily activities will be explained. Social behavior and social phenomena in the Philippine setting are examined from social psychological perspective.		HUMSS/ABM/TVL

49	Special Topics in Mathematics	This elective course introduces students to some basic concepts in coding theory, cryptography and game theory.		STEM/ICT
50	Upcycling 101	Learn how to transform by-products, waste materials, useless, or unwanted products into new materials or products perceived to be of greater quality, such as artistic value or environmental value. This also aims to teach the students how to lessen their carbon footprints and become mindful consumers through re-purposing and expanding the lifespan of the items or materials that seem to be of no use already in a creative way.	Laptop/Desktop and Head phones or Headset, internet connection Materials: Scissors, cutter, glue, glue gun, glue stick, acrylic paints, brush, double adhesive tape, pencil, markers, threads/jute string, needle, popsicle sticks, ruler (preferably metal), cutting mat Others: Card boards (food packaging), old magazines/books, broken wall clock, old bottles/jars, old/unused boxes, old denim and other fabrics.	STEM/ICT
51	Virtual Stage Arts	Virtual Stage Arts course is uniquely designed for theater production enthusiast. This course explains the process of theater from interpretation to virtual performance. Other than dramatic presentation, this course also includes the application of emerging technologies in live performance. To support and enhance storytelling, it integrates technologies such as computer animation, cinematic projection and digital sound into the theatrical experience. It challenges the border between theatre and film with new media, incorporating a new script writing form, new staging practices and a unique developmental process for the stage -- facilitating the arrival of an exciting and inevitable art form: The Virtual Stage!		HUMSS/ABM/TVL

52	Visual Graphics and Communication (Manual/Digital Illustrations)	This course aims to introduce Architectural Visual Communication with the use of new mediums to form Artistic Rendering and freehand Drawings. From, color designs, medium applications, and mixed media creations, the students will further deepen their knowledge in arts through the use of mixed media presentations. Students will learn the methods of sketch, shadow and light proportions on a design scale. Manual and digital rendering will be introduced in this course.	Stable Internet Access for Online assessments and discussions (Drawing Tablets and/or E-tech Graphic gadgets are optional)	STEM/ICT
53	Writing for the Web	This course seeks to orient learners on effective ways to convey their messages to an online audience. It aims to help young writers understand their audience, the behavior of the online market, and devise strategies to get their message across in an engaging manner. The course also discusses the guidelines of developing web content as well as the role of search engines in generating organic traffic to the site.		HUMSS/ABM/TVL