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-Cover sheet-

ARCH 203 // Architecture Communication I.

Course code and name:

- Architecture Communication I

Term and Year:

- Fall 2015-2016

Number of credits:

- 3 credits

Pre/co-requisite:

- No prerequisite

Instructor name:

- Ins. Mohamad Kabbara

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- Course Syllabus-

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COURSE SYLLABUS

ARCH / 203

ARCHIDES

course	:	Architecture Communication I
credits	:	1cr. lecture – 2cr. lab
term	:	Fall 2015
section	:	A
location	:	Lectures in Room 104 Applications in Architecture Lab 01
time	:	T 8:00 - 11:30 F 9:00 - 11:30

instructors	Mohamad Kabbara
e-mail	Mkabbara@azmuniversity.edu.lb
office hours	Thursdays: 9:00 – 10:30 or by appointment
office location	Architecture 101
properties	Foundation course requirement Yes
core course	No
pre-requisites	www.TBA.com
course web address	

I. Course Synopsis

This course is an introduction to the visual language of architectural representation. Its intention is to enable students to learn basic concepts of architectural communication through series of exercises that develop necessary skill set supplemented with examples, references and research recommendations. This course will provide visual language tools with rules, conventions and meanings in order to convey ideas, reinforce concepts, and hence persuade and communicate with others. This course focuses also on the theoretical underpinnings of the different forms of abstract representations and their ramifications on design. While Architecture Communication I covers sketching and diagramming using a limited set of media (lead, charcoal, ink, and acrylic), model-making as well as the orthographic and paralline projections, the following Architecture Communication II- offered during the Spring term- shall complement this course through focusing on perspectives, shades and shadows and drawing using digital media.

II. Course Approach

The Architecture Communication I is divided into two main parts that focuses on the capacity of students to conceptualize and abstract the world and ideas- the basis of architectural communication. These two parts are:

1. The non-measurable Freehand Drawings such as: sketching objects, and human figures using the following Media: Pencil, ink, & coloring
2. The measurable: where students learn and apply the principles of Descriptive Geometry to illustrate and communicate design ideas. Resolving intersections of complex geometric solids and constructing the resulting physical model from part of this spectrum of knowledge skills.

In the latter part, Orthographic Projections, and Axonometric Drawings shall be mastered. Students will be able to dissect any irregular form, construct a 3D drawing from 2D projections, and vice versa. While conceptualization and abstraction shall form the common thread that will knit the two parts together, assignments shall contribute to such an integration whereby students shall be asked to use both the measurable and the non-measurable to communicate the different aspects of an idea or a project.
The course is further structured into three distinct stages:

1. Introduction of the tools of communication: during this stage, students shall be exposed to the different media and be invited to learn their essential characteristics. The exercises during this stage shall be oriented towards experimentation and testing to learn about their potentials.
2. Mastering the tools: during this stage students will apply what they have discovered in the first stage through increasingly complex assignments- pushing their skill in conceptualization and abstraction. Principles and applications of descriptive geometry shall be covered during this stage.
3. Applying the tools: during this last stage, students will be submitting an analysis of an architectural

project designed by a famous architect, illustrating the conceptual as well as the systems and layers forming the essential characteristics of the Project. A conceptual and diagrammatic model forms an integral part of the analysis and submission.

III. Course Outcomes

The objectives of the course are to provide the students with the basic understanding of drafting projections and the necessary skills and practical experience using drafting tools. Furthermore, students will be able to demonstrate a capacity to develop and communicate a line of design thinking and to verbally and graphically convey its formal consequences.
Upon the successful completion of this course, students will be able to:

- Use with ease lead, ink and charcoal, & acrylic painting.
- Apply the basic language of drafting as a mean of communication.
- Understand coloring principles and apply its basic techniques.
- Build basic physical models neatly.
- Draw accurately measurable drawings.
- Draw multi-view projections and resolve intersections of complex objects
- Read geometries through their 2D projections and vice versa.
- Analyze architecture design and represent graphically the characteristics of architecture components.
- Highlight an architectural project concept and main features.

IV. Text Books and Additional References

Main Reference Textbook:

- TECHNICAL DRAWING – Giesecke, Mitchell, & Spencer Hill – Fifth Edition

Other Reference Books:

- COMPOSITION IN ARCHITECTURE - Don Hanlon
- RENDERING WITH PEN AND INK - Arthur Buptil
- DESIGN GRAPHICS - C. Leslie Martin
- DESCRIPTIVE GEOMETRY – Metric -E. G. Pare, Loving, Hill, R. C. Pare

V. Course Outline

The Course Outline is attached on a separate sheet.

VI. Special Requirements

T-square	***90cm (Rotring)***
Triangles	***45 x 45 x 90 size 26cm***
	30 x 60 x 90 size 26cm
Scale ruler	***1/20, 1/25, 1/50, 1/75, 1/100, 1/125***
French curves	
Mechanical Pencils	***3 mm***
2H-HB-2B Leads	***Black***
Lead Sharpener	***For mechanical pencils***
Lead eraser	***White and soft***
Rapidographs	***regular or ISO standards (0.2 - 0.3 - 0.5 - 0.7) or Rotring SET***
Ink	***Black***
Erasers	***lead and ink***
Table Brush	
Compass	***Screw regulator with ink pen adapter (Rotring)***
Magic tape	
Masking tape	***3M***
Cutter and exacto	***OLFA***
Compass Cutter	***OLFA***
Steel ruler	***30 cm***
A3 cardboard	***200mg white (FABRIANO)***
A4 cardboard	***200mg white (FABRIANO)***
gouache	***Primary CMY and B/W Daler Rowney***
Paint Brush	***Small/medium SET (conda mix set)***
Color palette	
Cutting map	***A2 size***
UHU	***Normal, hart, por, allplast***
Sketching pens	***0.2-0.3-0.5-0.7 (uniball)***
Rubber cement	

VII. Course Assessment and Evaluation

- Class and homework projects will cover the complete course throughout the semester and will be graded 40% of the final grade. Attendance and Due will be graded with each project.
- Class quizzes will be considered as 10% of the final grade.
- The midterm and final exam represents 40% of the final grade (15% & 25% consecutively).
- A final portfolio, covering all projects given through the term, 10% of the final grade.

VIII. Course Policies

Students are required to bring their complete set of tools to every class session.
The course will consist of lectures along with a demonstration prior to direct applications. The remaining time may be dedicated for class work in which students are expected to practice and apply the day's requirement. Effective use of one's time in class is expected; disruptive behavior during the session will be penalized. The attendance to class work is important as for every graded session missed an F grade is issued for the required work.
Due Dates of assignments, unless otherwise stated, are final. No work will be accepted after the designated time. Delayed submissions within one week of the due date will have one letter grade dropped, after that a failing grade will be given.
Evaluation will be based upon: involvement, progress, presentation, and craftsmanship, accuracy of work, organization, clarity, cleanliness and confirming the demands of the project
A student can miss no more than 4 sessions of instruction. By the 3rd session, the instructor may ask the student to drop the course.
Ethics and Integrity: The University is committed to the highest standards of academic integrity and expects its students to behave with honesty, integrity, and professionalism throughout the course of the program. Students are responsible for familiarizing themselves and adhering to the University's policies and regulations and to thoroughly review the University's Student Code of Conduct in the Student Catalogue.
Cheating: Students are guilty of cheating when they use non-permissible written, verbal, or oral assistance, including that obtained from another student during examinations, in course assignments, or on projects. The unauthorized possession or use of examination or course-related material may also constitute cheating. Cheating is essentially fraud.
Cheating is a violation of the University's academic regulations and is subject to disciplinary action.
Plagiarism: Plagiarism exists when students claim as their own the work of others. Students, who fail to properly credit ideas or materials taken from another, commit plagiarism. Putting your name on a piece of work-any part of which is not yours- constitutes plagiarism, unless that piece is clearly marked and the work from which you have borrowed is fully identified. Plagiarism is a violation of the University's academic regulations and is subject to disciplinary action.
Students caught cheating on an exam receives a grade of Zero on the exam in the first cheating attempt and a Dean's warning. Students caught cheating for the second time in the same course shall receive an F grade in the course and a second warning. A grade of zero on an exam resulting from cheating must be counted in the student's course grade. The zero cannot be dropped in computing the final grade in case the instructor has a policy of allowing students to drop their worst exam grade.
Any student who receives 3 Dean's warnings will be suspended.
Plagiarism applies as well in term papers to quoting written texts without proper crediting, or copying full papers, or purchasing ready-made papers.

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-Course Outline-

COURSE OUTLINE

Introducing The Tool

1		2		3
F SEP 4	Day/Time	T SEP 8	Day/Time	F SEP 11
Theoretical course on Architecture Communication techniques: fundamentals of AC and a brief historical background with illustrated examples, and the evolution of architecture communication techniques over a timeline (skills, tools) Technical Course will stress on : learning the basic techniques on technical graphics tools ' T-square, angels 30x60 & 45x45, mechanical pencils, compass, French curves, etc.. why Architecture communication? (CHAPTER 2 - REFERENCE TEXTBOOK)	08:00 - 09:00	Lecture on understanding basic architectural representations: Students will learn how to read basic architectural plan and different architectural components (Door, Wall, Windows). (The Graphic Language). (CHAPTER 1 - REFERENCE TEXTBOOK) Technical Session: Geometrical Constructions EX: Circles, lines, dividing a line into equal parts, Dividing line into proportional parts, drawing triangles, pentagons, hexagons, and octagons. Drawing Tangencies, Ellipse Constructions, And concentric-circle ellipse, And drawing the spiral of archimedes. (CHAPTER 4-REFERENCE TEXTBOOK) Tool Application: a-Intro to Rapidographs b-Intro to coloring techniques.	9:00 - 9:30	**Lecture on Lettering: Brief Presentation on letter form styles, classification. Students will learn how to standardize lettering, and stabilize letters, with pencils and pens. Moreover, Students will draw vertical and horizontal guidlines, for word/letter constructions. They will also learn spacings between letters and words, Layouting letterheads, and title box.** **(CHAPTER 3 - REFERENCE TEXTBOOK)**
In Class Submission Exercise I: Students in the first session will start sketching a gothic cathedral façade as an introduction to the class	09:00 - 10:00	**Class Assignments I:** Geometrical construction exercise using rapidographs in order to create patterns with different line weights and thickness.	9:30 - 11:30	**In Class Submission Exercise:** Students have to construct a typographic letter table in 2h Lead and rapidograph. In order to master lettering, and practice title layout, and balancing the map title.
In Class Submission Exercise II: Students then will be asked to start constructing straight lines 'free hand' technique, in different variations and then students will analyze and observe.	10:00 - 11:30	**Class Assignments II:** Students will start experimenting color mixing with the usage of paint brush.		

Assignment I : Students will bi given a handout which includes straight lines patterns and Archimedes Spiral to be drawn at home.

Assignment II: Students will bi given a handout which includes straight lines patterns and Archimedes Spiral to be drawn at home.

Assignment III: a-Creating a color wheel b- creating one color gradient c- complementary colors d- color pallet construction

Introducing The Tool

4		5		6
T SEP 15	Day/Time	F SEP 18		F SEP 25
Lecture on reading architectural drawings, diagrams, plans. Reading diagrams such as bubble diagrams, functional and spatial distribution, Circulation. Students will be able to read and understand construction and hatching legends. **Technical Session on the unmeasurable media:** Basic sketching techniques. *Sketching and Shape description: -The Importance of freehand sketching -Learning the types of sketches -Scales and proportions -Technique of lines -Circles, And Ellipses. -Methods -Object Viewing, Choice of view -Line Representations. (CHAPTER 5 - REFERENCE TEXTBOOK).	09:00 -09:30	**Technical course** will cover physical modeling techniques: cutting, engraving, packaging techniques, Letter and typographic construction	8:30 - 9:30	**Technical Session on multiview projections** Students will be introduced to a line and a point, and plan multi-view projections. Object Multi-view projections (top, and side views). Students will be introduced to observing Right Plan, and Perverted Plan (Oblique, Askew, and Slanted). (CHAPTER 6 - REFERENCE TEXTBOOK)
Class Assignments I: **Exercises handled with multiple sketching medias**, such as Charcoal, 2B and 3B Leads, dry ink pen, and sketching pens. <FOLLOW UP WITH THE COLOR WHEEL ASSIGNMENT>	09:30 - 11:30	**In Class Submission Exercise:** Experimenting physical construction and modeling exercises using various materials and media. Students will be given a 2D pop art painting by Roy Lichtenstein to be extruded as a physical model. The Image pixels are to be analyzed in this exercise as elements of depth.	9:30 - 11:30	**In class submission exercise:** Students will be handed out a set of exercises, given points, lines and surfaces. The geometries formed are to be sketched as a freehand drawing, Then extract multi-view projections of each of the given objects.

Assignment VI (a Handout): Student have to prepare the following for the next session: 1- an Islamic motif to be sketched by hand 2- a technical drawing using 2H lead and rapidograph ink 3- a colored pattern of the Islamic motif 4- a relief of the Islamic motif - All to be executed with one single color with gradients.

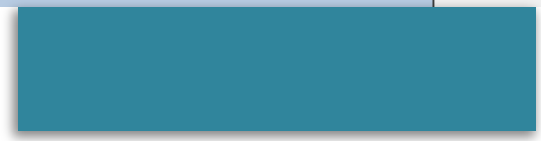
: a-Creating a color wheel b- creating one color gradient c- complementary colors d- color palette construction

(submission)

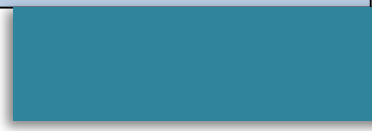
Tuesday September 22: Adha Holiday - Assignment

Mastering The Tool (Complex Geometric Forms)

7	session#	8	session#	9
T SEP 29	Day/Time	F OCT 2	Day/Time	T OCT 6
Lecture on modern practices and applications on architecture communication through graphics and media: students will be introduced to several architects (Le Corbusier, Frank Lloyd Wright, Mies Van De Rohe, Walter Gropius, Alvar Alto, Tadao Ando, Luis kahn, Luis Sullivan, Oscar Niemyer...) as example on the evolution of architecture communication tool: 'sketches, orthographics, axonometric, physical models, material application and diagrams. **Technical lecture on:** -Creating, unfolding glass box. -Folding Lines -2 View Mechanical Drawing -Projecting a third view. **Technical Tool:** RapidoGraph	09:00 - 10:00	**Technical Session will cover the alternate position of views:** The partial views or incomplete side views. Revolution Conventions on Mechanical objects. Visualizing the view. Projection of slanted surfaces and lines. Projections of exploded volumes/sliced Volumes. Curved surfaces, cylindrical surfaces. Deformation of Cylinder, and eclipse. **Lecture on Reading a Drawing and projections of exploded Volumes that includes:** -Normal Edges -Inclined Surfaces -Inclided Edges -Oblique Surfaces	8:00 - 9:30	**Continuation of Lecture on Modern Practices and application on architecture communication through Graphics and media.** **Lecture on Reading a Drawing and projections of exploded Volumes that includes:** -Curved Surfaces -Cylinderical Surfaces. -Sliced Cylinders and Eclipse -Intersection of Tangencies -Intersection of Cylinders -Space Curves (END OF CHAPTER 6 - BOOK)
Class exercise: Students will be handed out a set of exercises, given objects. The geometries formed are to be sketched as a freehand drawing, Then extract multi-view projections of each of the given objects.	10:00 - 11:30	**Technical Session will cover the alternate position of views, The partial views or incomplete side views. Revolution Conventions on Mechanical objects. Visualizing the view. Projection of slanted surfaces and lines.** **Projections of exploded volumes/sliced Volumes. Curved surfaces, cylindrical surfaces. Deformation of Cylinder, and eclipse.**	9:30 - 11:30	**Class Assignments I:** Multi-view projection problems, such as missing side projection problem Drawing Sketches Slanted Curves, and Cylinders.



Assignment VI: Students will be given a handout of 3D geometric volumes. Where 2D multi-view projections will be extracted. One for a object, the other of a letter to draw at home.

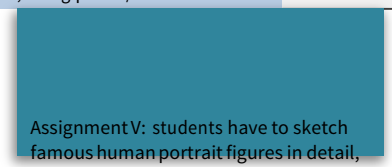


Assignment VII: Handouts are given of mu
These volumes are to be analyzed, and slic
will be drawn after slicing the volumes.

Mastering The Tool

10	session#	11	session#	12
F OCT 9	Day/Time	T OCT 13	Day/Time	F OCT 16
Lecture on Sectional Views: Slicing through the object Cutting and disecting mechanical objects The creation of full section Section line creations Hidden lines in sections Section-lining technique, Direction of section lines and hatches Cutting plane line. How to read Conventional Breaks, Sectioning problems. (CHAPTER 7 - BOOK)	8:00 - 9:30	**Lecture on the contemporary techniques in architectural representation and concept generation:** a brief lecture as an introduction to various contemporary architects that uses physical/digital diagrams to generate architectural concepts and design constrains and produce potential opportunities. 'Volumetric analysis, spacial/functional distribution and bubble diagrams' on both 2D & 3D levels. **Lecture on Sketching: Sketching & Proportions** Types of sketching (Landscape, Human, Buildings...), architectural examples. Personalized techniques of individual architects (Luis Kahn, Alvar Alto, Le Corbusier, Walter Gropius, Micheal Angelo, Leornardo Davinci, Raphael, and Rembrandt).	09:00 - 10:00	**Lecture on Axonometric Projection**: Presenting simple and complex forms. Types of Axonometric Projections Scaling the Axonometric Steps in Making Axonometric Drawings Inclined surfaces in Isonometric Oblique surfaces in Isonometric Position of Axis Offset Location Measurement Line Representation: Hidden, Center, Box construction Ex. Irregular Object in Isonometric.
In Class submission Exercises: On Section Problems and its application	8:30 - 11:30	**Class Assignments I:** Sketching Human Figures. Students will sketch their classmates, with different physical postures, using pencil/charcoal.		**In Class submission Exercises:** Given will be 2D view object projections, Starting with simple volumes, Students will construct the axonometric view.

students have to construct the previous ample as part of quiz 1 using various media



Assignment V: students have to sketch famous human portrait figures in detail, and sketch their bedrooms.

Mastering The Tool (Complex Urban Conditions)

13	session#	14	session#	15
T OCT 20	Day/Time	F OCT 23	Day/Time	T OCT 27
Technical Session: Continuation on Irregular Objects. Curves In Isonemetric True Isonometric Ellipse Construction Intersection of Complex volumes: Elliptical Intersection of Cylinderical hole. Isonometic Sectioning Exploded Assembles Oblique Projections (CHAPTER 16, 17 - REFERENCE TEXTBOOK) **Lecture Series "Abstract Cities":** The lecture will cover notions of cities, and their representation by various architects. Presentation explaining the exercise for "Complex Urban Conditions"		**Technical Session on Revolutions:** Revolutions compared with auxiliary views. Revolutions about axis perpendicular to horizontal plane Successive revolutions Revolution of a line about an inclined axis. Revolution of circles. And Sections on Isonometrics. (CHAPTER 9 - REFERENCE TEXTBOOK)	8:00 - 9:00	**Technical Session on Model MAKING, using uncoventional materials.** How to apply techniques of corners corresponding to the various materials (Copper, Textiles, Lead..)
Class Exercise (BrainStorming) Students will have to sketch Ideas, themes, feelings of all what they memorize from a specific surrounding/Environment. **Technical Exercise**: Practicing Isonometric Constructions of Irregular Objects. And oblique Projections.	10:00 - 11:30	**In Class Submission Exercise:** Students will sketch figures, objects, and people from their chosen pictures. Students will try also to create abstracts from their observations of the city.	9:00 - 11:30	Students will construct a series of physical models, Representing their street conditions.
Assignment IV: Students will go and take pictures of street, neighborhood, alleys, markets,. Then they will get satellite images in order to trace and rescale.		Exercise: Students will form a 2D planar representation of the site. (Images extracted from google earth)		Assignment IV: Students will form a 2D planar representation of the site. (Images extracted from google earth).Students have to enhance the 2D representation of the site with coloring and articulation of the area of intent/study.

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Mastering The Tool (Complex Urban Conditions)

16	session#	17	session#	18
F OCT 30	Day/Time	T NOV 03	Day/Time	F NOV 06
Lecture Series "Abstract Cities": The lecture will cover notions of cities, and their representation by various architects. Representation of Diagrams (Circulations, Programs, Voids, Public Spaces, etc...). Students will start to create exploded axonometrics, they will try to extrude and map the height of the area in order to make thier study more clear. The Know how of reading and sketcing diagrams: Circulation, Program etc...	8:00 - 8:30	**Technical Lecture** on rendering the exploded axonometrics or isonometrics and start to color or hatch in order to observe differences and map nods and voids in the area of study.	9:30 - 10:00	**Lecture on architecture and urban context and presenting cities**. Extraction of notions from Kevin Lynch books, Aldo Rossi, and Robert Venturi. Perspectives of the city, and how they influence spaces. Technical lecture on photomerge or collage students will merge what they photographed with what they are drawing in order to create ana artistic abstraction on the are of study.
Class Exercise: Students have to submit diagrams presenting circulations, voids, programs, blowups, and all elements of the site.	8:30 - 11:30	**Class Exercise:** Applying the notions of kevin lynch City comprehenstion	10:00- 11:30	**In Class submission Exercise:** **Finilizing the street comprehension diagrams (nodes, Paths, Landmarks...)**

Assignment IV: Students have to Enhance their Diagrams, from acetate paper to Drafting paper by adding colors, and line thicknesses.

Saturday October 31: Midterm Exam

Mastering The Tool (Complex Urban Conditions)

19	session#	20	session#	21
T Nov 10	Day/Time	F NOV 13	Day/Time	T NOV 17
Lecture on Layouting. Ways of representing ideas (exploded Axonometries, Blowups, bubble diagrams, spacial analysis...) All as composite drawings. Technical course of typology and tyopgraphic represntation on large areas through observing levels and geographical distrortions.	9:30 - 10:00	**Lecture on Bernard Tchumi:** Events of the cities. **Technical session** on layouting and portfolio presentation.	8:00 - 11:30	
Class Exercise: Students will place the first draft of collaged ideas on a sheet of paper. The compositional format of the layout is what matters as a start.	10:00 - 11:30	**In Class Submission Exercise:** Students are to Finalize the layout as structure and composite drawings. Tweekings of the project are to be submitted on Tue. November 17	9:00 - 11:30	**Complex Urban Conditions** **Project Final Presentation**

Assignment IV: First Draft Layout. Collaging Ideas.

Final Assignment: students have to Represent the urban conditions. Conceptualizing and Abstraction of their street, neighborhood, or any scale of their environment. Students will present a set of A4 sheets of illustrations. Sketches, diagrams and models are the types of presentation.

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Applying the Tool

22	session#	23	
F NOV 20	Day/Time	T NOV 24	
Final Project Presentation: Explaining the requirement and the process of the final Productions. Given a set of projects distributed on students. **In Class submission Exercise:** Students are asked to research on the topic given to them. Neglect the architects' intentions behind the project.	8:00 - 11:30	**Class exercise:** students will sketch primary abstract representation. The process: Freehand Sketching Inking Coloring	

Assignment IV: students have enha
done in class, and Proceed to ink dr

Applying the Tool

25	session#	26	
T DEC 01	Day/Time	F DEC 04	
Models presenting the diagrams and the actual project are to be submitted in class	09:00 -11:30		

FINAL


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III. Execution of the Syllabus.

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-Exams-

AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Midterm Exam Problems Sheet

Ins: Mohamad Kabbara
Course: ARCH/203
Date: Saturday Oct 31 - 2015
Time: 2.5 Hrs
Number of pages:
Room #: Architecture Lab I

Read before you start

- Write your full name and ID# on each page
- The length of the examination: 10:00 AM to 12:30 PM
- All drawings are to be neatly presented in 2H - 4H lead pencil, 2B-4B lead for sketching
- Grades will be distributed according to the following:
  Correct solutions - neatness & tidiness
- Cheating will be considered as violation of the University's academic regulations and is subject to disciplinary action.
- The use of electronic devices (iPods, cell phones, mp3 players, etc.) is prohibited during the exam.
  This policy is at your discretion, however we recommend this language to prevent cheating
  and honor code violations.
- You will receive "0" credit for any unanswered question.
- All questions are to be answered on the exam paper. Please hand this paper in at the completion of the exam.

Grades Distribution :
Q1: 25%
Q2: 25%
Q3: 37.5%
Q4: 12.5%

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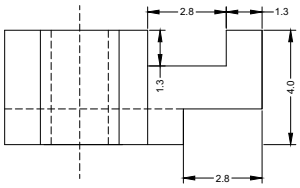
SHEET I
MULTIVIEW PROJECTIONS

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: ID:



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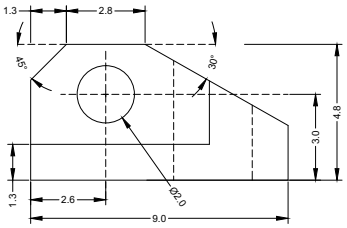


PROBLEM I 25%

CONSTRUCT MECHANICALLY THE MISSING VIEW ,AS SHOWN IN THE ABOVE FIGS .THEN CONSTRUCT THE ISOMETRIC VOLUME.

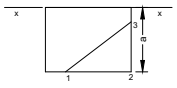
NOTES:

SHEET II
AUXILIARY VIEWS

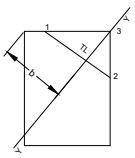
ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: ID:



SEC AUX VIEW



PROBLEM II 25%

DRAW THE AUX VIEW WHERE BY THE RANDOM PLAN IN THE OBJECT IS SEEN AS A NORMAL VIEW .THEN CONSTRUCT ITS VOLUME

NOTES:

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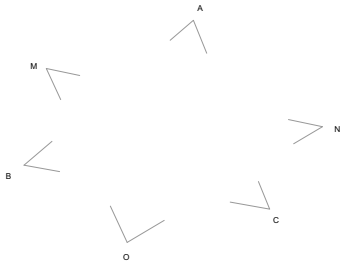
SHEET III
PLANER INTERSECTION

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: ID:



PROBLEM III

1- FIND THE INTERSECTION OF THE TWO RANDOM PLANES. 12.5%
2- SHOW IN BOTH VIEWS THE HIDDEN VERSUS VISIBLE LINES /EDGES. 12.5%
3- IDENTIFY THE TRUE SIZE OF PLANE ABC. 12.5%

NOTES:

SHEET IV
SKETCHING

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: ID:

SKETCH HERE

PROBLEM IV

SKETCH THE FOLLOWING FIGURE

NOTES:

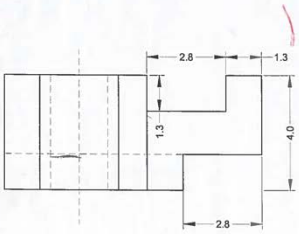
AZM UNIVERSITY
جامعة العزم

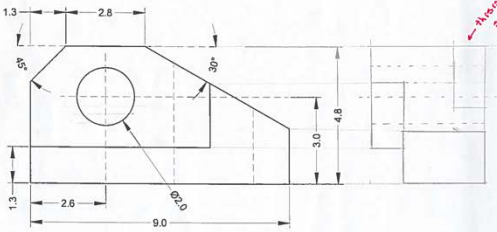
SHEET I
MULTIVIEW PROJECTIONS

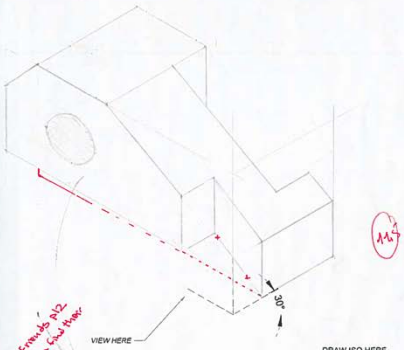
ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: HANADI CHAARANI ID: 15000 62







this is the solution somethour Friends pls so that they can find their mistakes.

LEFT SIDE VIEW

6+1

11.5 + 23 30 9

88/100

81.5 +13.5

PROBLEM I 25%

CONSTRUCT MECHANICALLY THE MISSING VIEW ,AS SHOWN IN THE ABOVE FIGS .THEN CONSTRUCT THE ISOMETRIC VOLUME.

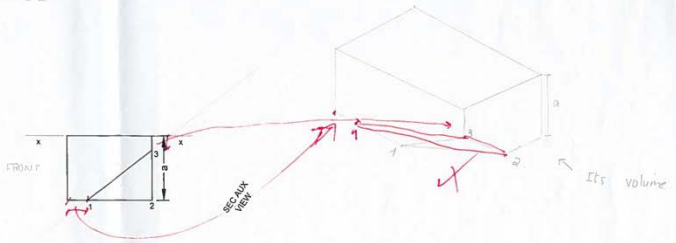
NOTES:

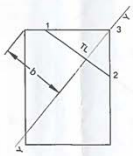
SHEET II
AUXILIARY VIEWS

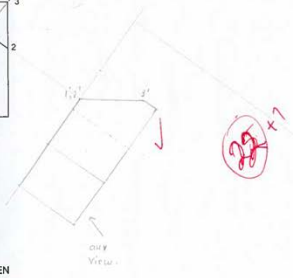
ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: HANADI CHAARANI ID: 15000 62







22 +1

PROBLEM II 25%

DRAW THE AUX VIEW WHERE BY THE RANDOM PLAN IN THE OBJECT IS SEEN AS A NORMAL VIEW .THEN CONSTRUCT ITS VOLUME

NOTES:

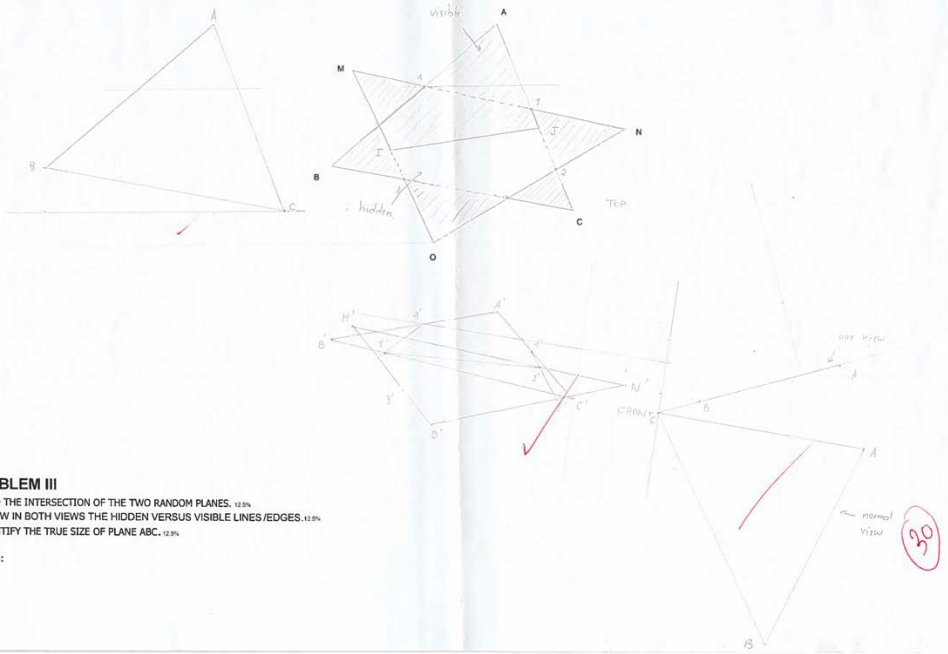
AZM UNIVERSITY
جامعة العزم

SHEET III
PLANER INTERSECTION

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: HANADI CHAARANI ID: 1500062



PROBLEM III

1- FIND THE INTERSECTION OF THE TWO RANDOM PLANES. 12.5%
2- SHOW IN BOTH VIEWS THE HIDDEN VERSUS VISIBLE LINES /EDGES. 12.5%
3- IDENTIFY THE TRUE SIZE OF PLANE ABC. 12.5%

NOTES:

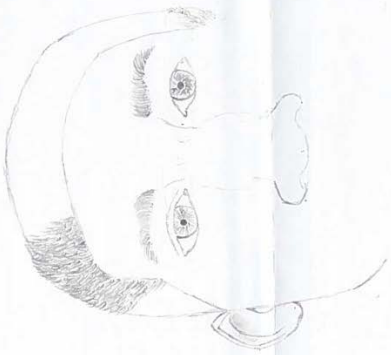
30

SHEET IV
SKETCHING

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: HANADI CHAARANI ID: 1500062



SKETCH HERE

PROBLEM IV x,s,y

SKETCH THE FOLLOWING FIGURE

NOTES:

19

AZM UNIVERSITY
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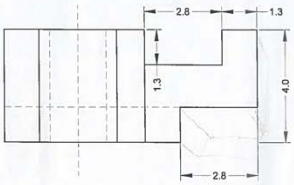
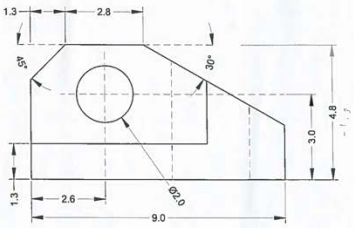
SHEET I
MULTIVIEW PROJECTIONS

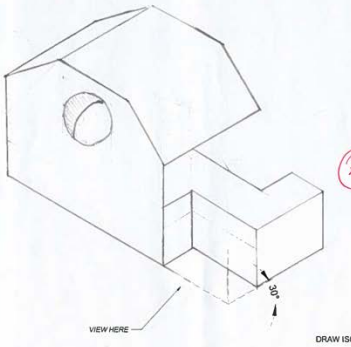
ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

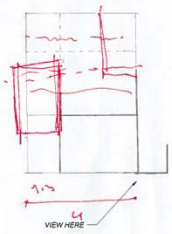
NAME: Mohamad Arbass ID: 1500031







DRAW ISO HERE



PROBLEM I 25%

CONSTRUCT MECHANICALLY THE MISSING VIEW ,AS SHOWN IN THE ABOVE FIGS .THEN CONSTRUCT THE ISOMETRIC VOLUME.

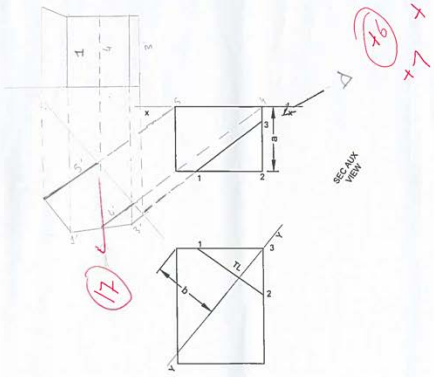
NOTES:

SHEET II
AUXILIARY VIEWS

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: Mohamad Arbass ID: 1500031



PROBLEM II 25%

DRAW THE AUX VIEW WHERE BY THE RANDOM PLAN IN THE OBJECT IS SEEN AS A NORMAL VIEW .THEN CONSTRUCT ITS VOLUME

NOTES:

AZM UNIVERSITY
جامعة العزم

SHEET III
PLANER INTERSECTION

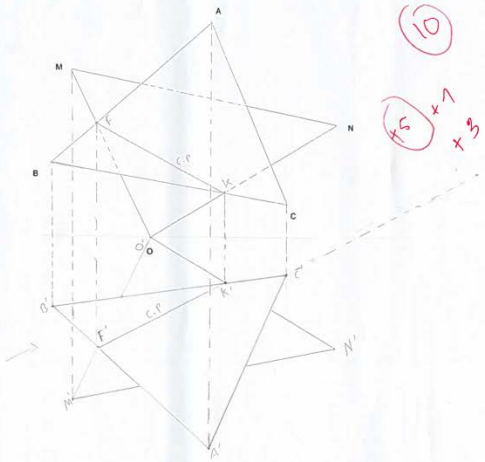
ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: Mohamad Arbass ID: 1500031

10

+5 +1 +3



PROBLEM III

1- FIND THE INTERSECTION OF THE TWO RANDOM PLANES. 12.5%
2- SHOW IN BOTH VIEWS THE HIDDEN VERSUS VISIBLE LINES/EDGES. 12.5%
3- IDENTIFY THE TRUE SIZE OF PLANE ABC. 12.5%

NOTES:

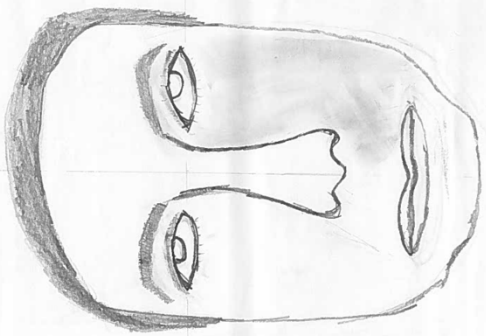
SHEET IV
SKETCHING

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: Mohamad Arbass ID: 1500031

+3 +2



SKETCH HERE

PROBLEM IV 15 c/y

SKETCH THE FOLLOWING FIGURE

NOTES:

AZM UNIVERSITY
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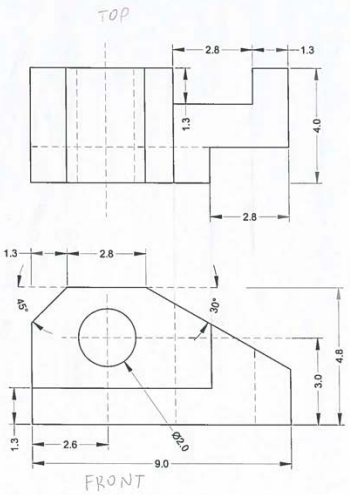
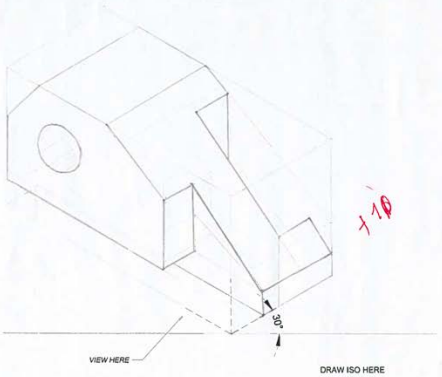
SHEET I
MULTIVIEW PROJECTIONS

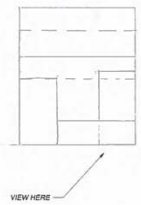
ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: Neamah Shaarani ID: 1500006







PROBLEM I 25%

CONSTRUCT MECHANICALLY THE MISSING VIEW ,AS SHOWN IN THE ABOVE FIGS .THEN CONSTRUCT THE ISOMETRIC VOLUME.

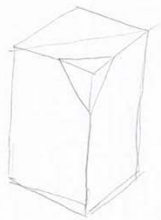
NOTES:

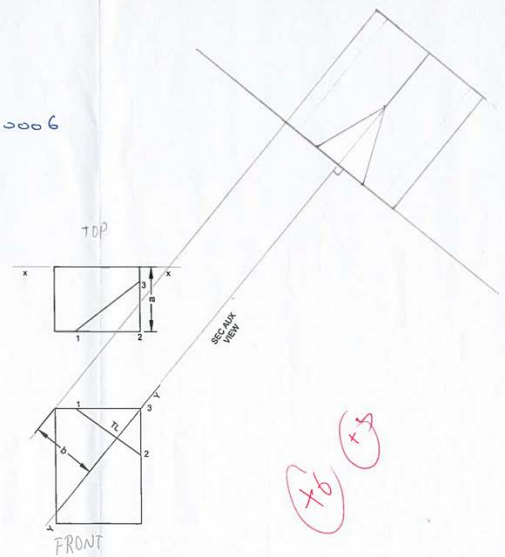
SHEET II
AUXILIARY VIEWS

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: Neamah Shaarani ID: 1500006





PROBLEM II 25%

DRAW THE AUX VIEW WHERE BY THE RANDOM PLAN IN THE OBJECT IS SEEN AS A NORMAL VIEW .THEN CONSTRUCT ITS VOLUME

NOTES:

AZM UNIVERSITY
جامعة العزم

SHEET III
PLANER INTERSECTION

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: ID:

13

PROBLEM III

1- FIND THE INTERSECTION OF THE TWO RANDOM PLANES. 12.5%
2- SHOW IN BOTH VIEWS THE HIDDEN VERSUS VISIBLE LINES /EDGES 12.5%
3- IDENTIFY THE TRUE SIZE OF PLANE ABC. 12.5%

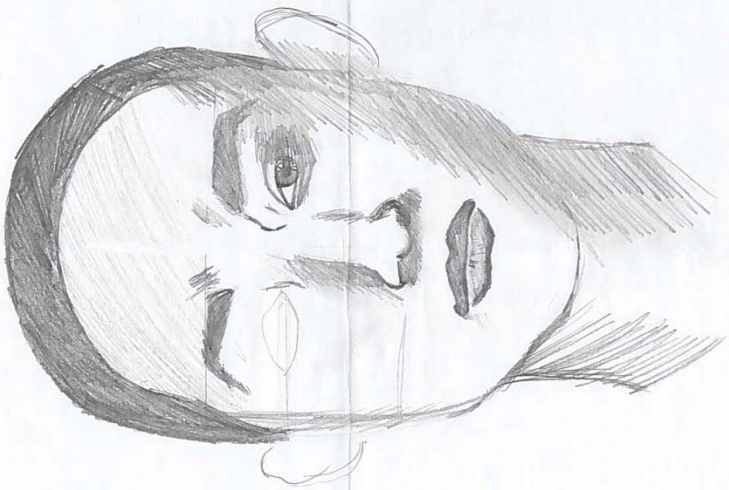
NOTES:

SHEET IV
SKETCHING

ARCHITECTURE COMMUNICATIONS I MIDTERM EXAM - FALL 2015

31.10. 2015

NAME: Deamah Shaaraw ID: 1500006



SKETCH HERE

11

PROBLEM IV -12.5%
SKETCH THE FOLLOWING FIGURE
NOTES:

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ARCHITECTURE COMMUNICATION I

Final Exam Problems Sheet

Ins: Mohamad Kabbara
Course: ARCH/203
Date: Monday Dec 14 - 2015
Time: 2.5 Hrs
Number of pages:
Room #: Architecture Lab I

Read before you start

- Write your full name and ID# on each page
- The length of the examination: 10:00 AM to 12:30 PM
- All drawings are to be neatly presented in 2H - 4H lead pencil, 2B-4B lead for sketching
- Grades will be distributed according to the following:
  Correct solutions - neatness & tidiness
- Cheating will be considered as violation of the University's academic regulations and is subject to disciplinary action.
- The use of electronic devices (iPods, cell phones, mp3 players, etc.) is prohibited during the exam.
  This policy is at your discretion, however we recommend this language to prevent cheating
  and honor code violations.
- You will receive "0" credit for any unanswered question.
- All questions are to be answered on the exam paper. Please hand this paper in at the completion of the exam.

Grades Distribution :
Q1: 25%
Q2: 25%
Q3: 25%
Q4-Q5:15% *(BONUS)*
Q6: 25%

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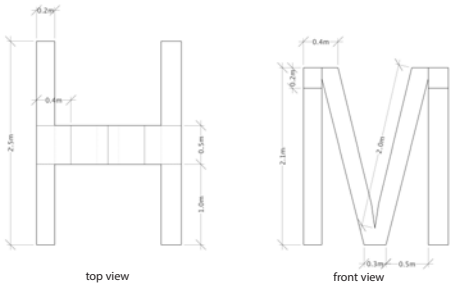
ARCHITECTURE COMMUNICATION I

Question 1:

- Find the third view of figure A, then construct its isometric volume.

N.B. Use the best scale in order to fit your drawings in the p aper.

Assign scale here- Scale:1/___



top view front view

Figure A.

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AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Question 2:
- Draw mechanically the 6 view projections of Figure -1-
- Show all hidden lines in projections.

N.B. Use the best scale in order to fit your drawings in the paper. Assign scale here- Scale:1/___

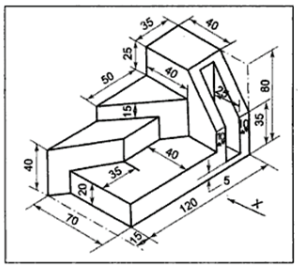

Fig. 1

AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Question 3:
- A cube of 30 mm sides with one of its edges on HP such that one of the square faces containing that edge is inclined at 30 º to HP and the edge on which it rests being to 60º to VP.

Draw projections. Scale: 1/100

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جامعة العزم

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ARCHITECTURE COMMUNICATION I

Question 4: *(BONUS QUESTIONS)*
• Find the correct views of Figure A.

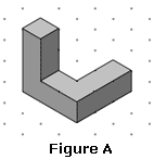

Figure A

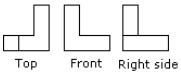

Figure 1

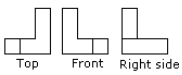

Figure 2

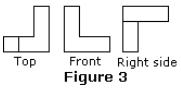

Figure 3

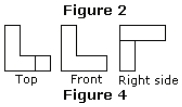

Figure 4

Question 5: *(BONUS QUESTIONS)*
• Draw the Isometric volume of Figure B.

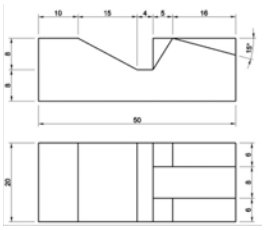

Figure B.

Name: _____ ID#: _____ Page # 4

AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Question 6: *(SKETCHING)*
• From what you have learned in the History of World Architecture class, sketch the Pantheon of Rome.
Show the volumetrics and important elements of the building.

Name: _____ ID#: _____ Page # 5

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-Student Answers Best Average Worst -

AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Final Exam Problems Sheet

Ins: Mohamad Kabbara
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Grades Distribution :
Q1: 25%
Q2: 25%
Q3: 25%
Q4-Q5:15% (BONUS)
Q6: 25%

Excellent.

Name: Neamah Shaarani

ID#: 1Snnnn6

Page # 0

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AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Question 1:
- Find the third view of figure A, then construct its isometric volume.

N.B. Use the best scale in order to fit your drawings in the p aper.

Assign scale here- Scale:1/1000

SIDE VIEW

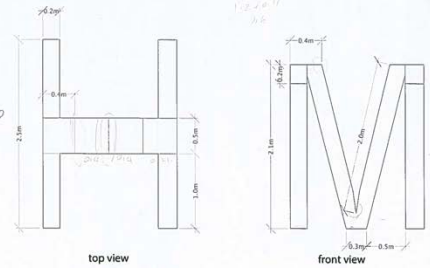
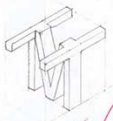


Figure A.

ISOMETRI VOLUME
SCALE 1/1000



Name: Neamah Shaqrani ID#: 1500006 Page # 1

AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Question 2:
- Draw mechanically the 6 view projections of Figure -1-
- Show all hidden lines in projections.

N.B. Use the best scale in order to fit your drawings in the paper.

Assign scale here- Scale:1/10

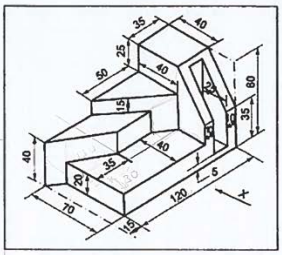


Fig. 1

FRONT VIEW 1

BACK VIEW 2

BOTTOM VIEW

TOP VIEW 3

LEFT SIDE

RIGHT SIDE

Name: Neamah Shaqrani ID#: 1500006 Page # 2

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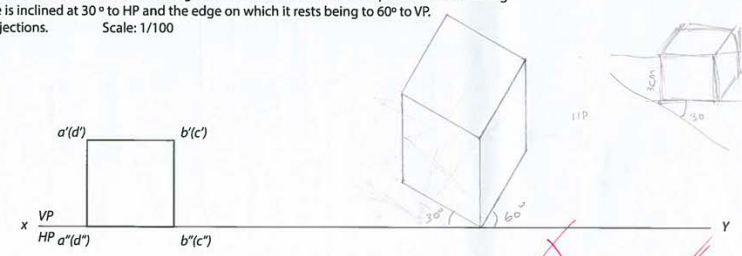
AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Question 3:

- A cube of 30 mm sides with one of its edges on HP such that one of the square faces containing that edge is inclined at 30 º to HP and the edge on which it rests being to 60º to VP. Draw projections. Scale: 1/100



Name: Neamah Shaaran ID#: 150006 Page # 3

AZM University - Faculty of Architecture and Design

ARCHITECTURE COMMUNICATION I

Question 4: *(BONUS QUESTIONS)*

- Find the correct views of Figure A.

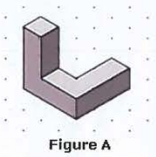


Figure A

correct views

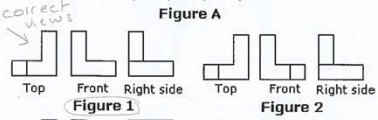


Figure 1

Figure 2

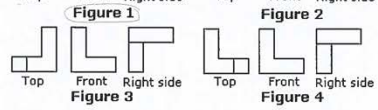


Figure 3

Figure 4

Question 5: *(BONUS QUESTIONS)*

- Draw the Isometric volume of Figure B.

SCALE = 1/10

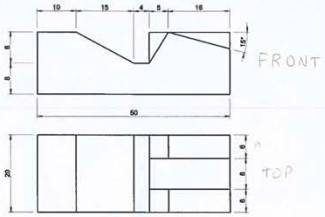
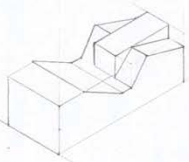


Figure B.



Name: Neamah Shaaran ID#: 150006 Page # 4

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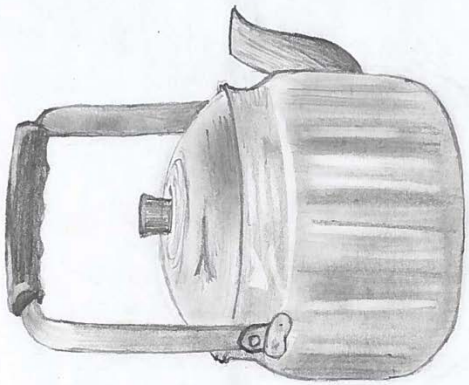
ARCHITECTURE COMMUNICATION I

Question 6: *(SKETCHING)*

Sketch the object given to you.



20/23 = 23

Name: Weamal Shaaraui ID#: 1500006 Page # 5

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ARCHITECTURE COMMUNICATION I

Final Exam Problems Sheet

Ins: Mohamad Kabbara
Course: ARCH/203
Date: Monday Dec 14 - 2015
Time: 2.5 Hrs
Number of pages:
Room #: Architecture Lab I

Read before you start

- Write your full name and ID# on each page
- The length of the examination: 10:00 AM to 12:30 PM
- All drawings are to be neatly presented in 2H - 4H lead pencil, 2B-4B lead for sketching
- Grades will be distributed according to the following:
  Correct solutions - neatness & tidiness
- Cheating will be considered as violation of the University's academic regulations and is subject to disciplinary action.
- The use of electronic devices (iPods, cell phones, mp3 players, etc.) is prohibited during the exam.
  This policy is at your discretion, however we recommend this language to prevent cheating
  and honor code violations.
- You will receive "0" credit for any unanswered question.
- All questions are to be answered on the exam paper. Please hand this paper in at the completion of the exam.

Grades Distribution :
Q1: 25%
Q2: 25%
Q3: 25%
Q4-Q5:15% *(BONUS)*
Q6: 25%

Q1 = 15 pts + 5 pts
Q2 = 20 + 5 pts
Q3 = 15 pts
Q4-5 15 pts
Q6 = 20 pts
+10

Name: Amar Kassem ID#: 1500012 Page # 0

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ARCHITECTURE COMMUNICATION I

Question 1:
- Find the third view of figure A, then construct its isometric volume.

N.B. Use the best scale in order to fit your drawings in the p aper. Assign scale here- Scale:1/5

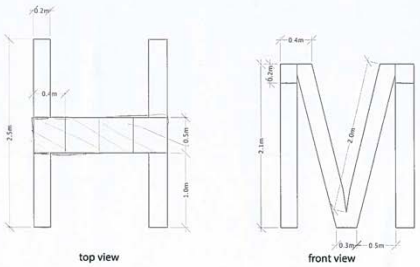
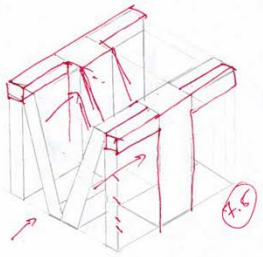
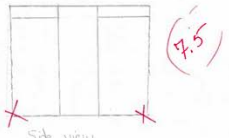


Figure A.





Name: Amar Kassem ID#: 1500010 Page # 1

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ARCHITECTURE COMMUNICATION I

Question 2:
- Draw mechanically the 6 view projections of Figure -1-
- Show all hidden lines in projections.

N.B. Use the best scale in order to fit your drawings in the paper. Assign scale here- Scale:1/1

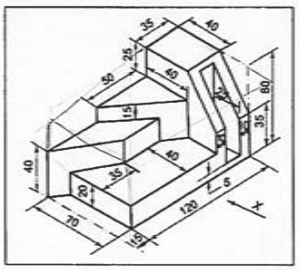
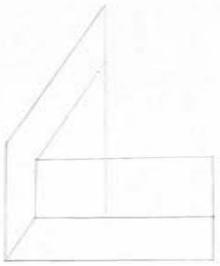


Fig. 1



Name: Amar Kassem ID#: 1500010 Page # 2

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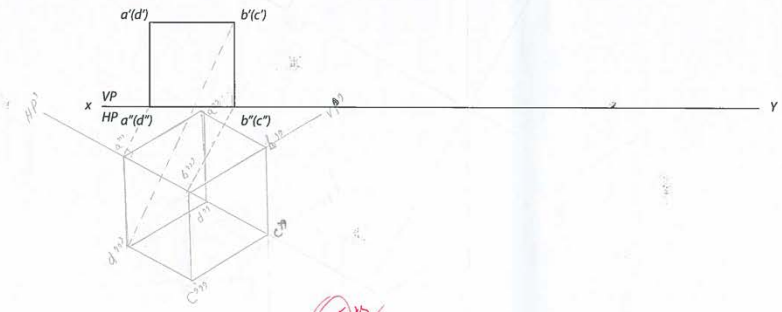
ARCHITECTURE COMMUNICATION I

Question 3:
- A cube of 30 mm sides with one of its edges on HP such that one of the square faces containing that edge is inclined at 30 ° to HP and the edge on which it rests being to 60° to VP. Draw projections. Scale: 1/100



Name: Amar Kassem ID#: 15000 1n Page # 3

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ARCHITECTURE COMMUNICATION I

Question 4: *(BONUS QUESTIONS)*
- Find the correct views of Figure A.

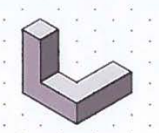


Figure A

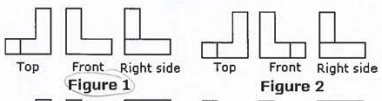


Figure 1

Figure 2

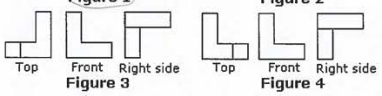


Figure 3

Figure 4

Question 5: *(BONUS QUESTIONS)*
- Draw the Isometric volume of Figure B.

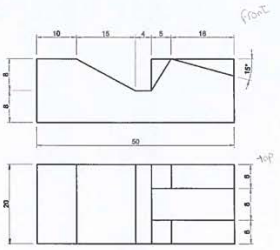
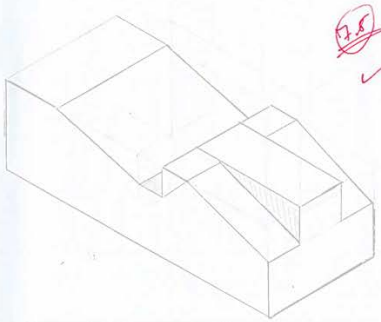


Figure B.



Name: Amar Kassem ID#: 15000 1n Page # 4

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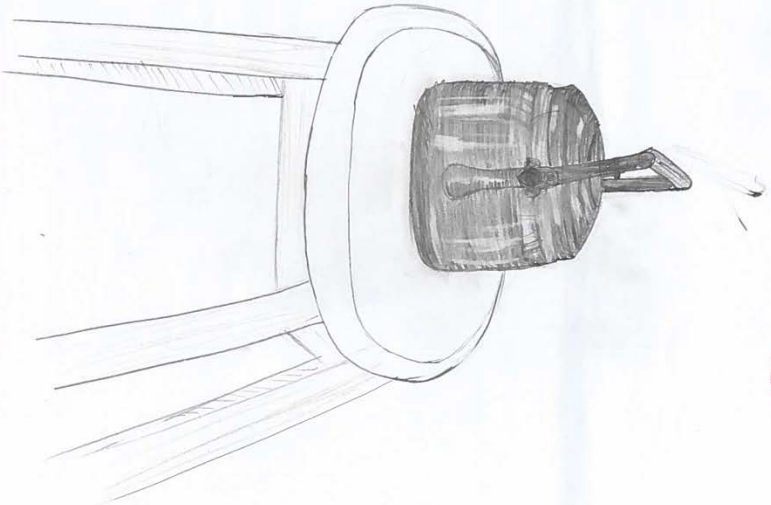
ARCHITECTURE COMMUNICATION I

Question 6: *(SKETCHING)*

Sketch the object given to you.



+20pts

Name: Amir Kassem ID#: 1500012 Page # 5

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ARCHITECTURE COMMUNICATION I

Final Exam Problems Sheet

Ins: Mohamad Kabbara
Course: ARCH/203
Date: Monday Dec 14 - 2015
Time: 2.5 Hrs
Number of pages:
Room #: Architecture Lab I

Read before you start

- Write your full name and ID# on each page
- The length of the examination: 10:00 AM to 12:30 PM
- All drawings are to be neatly presented in 2H - 4H lead pencil, 2B-4B lead for sketching
- Grades will be distributed according to the following:
  Correct solutions - neatness & tidiness
- Cheating will be considered as violation of the University's academic regulations and is subject to disciplinary action.
- The use of electronic devices (iPods, cell phones, mp3 players, etc.) is prohibited during the exam.
  This policy is at your discretion, however we recommend this language to prevent cheating
  and honor code violations.
- You will receive "0" credit for any unanswered question.
- All questions are to be answered on the exam paper. Please hand this paper in at the completion of the exam.

Grades Distribution :
Q1: 25%
Q2: 25%
Q3: 25%
Q4-Q5:15% *(BONUS)*
Q6: 25%

Q1= Zero +5pts
Q2= Zero +5pts
Q3= Zero +5pts
Q4-Q5= Zero
Q6= 15pts
30pts (30)

Name: Samia Tarikh ID#: 1500053 Page # 0

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ARCHITECTURE COMMUNICATION I

Question 1:
- Find the third view of figure A, then construct its isometric volume.

N.B. Use the best scale in order to fit your drawings in the p aper.

Assign scale here- Scale:1/100

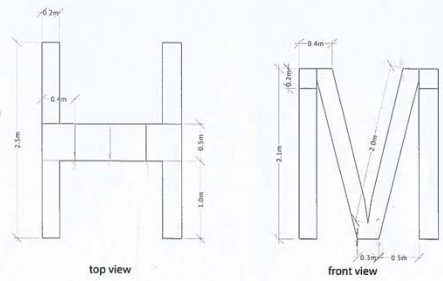

Figure A.

Name: Samira Tasnim ID#: 1500053 Page # 1

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ARCHITECTURE COMMUNICATION I

Question 2:
- Draw mechanically the 6 view projections of Figure -1-
- Show all hidden lines in projections.

N.B. Use the best scale in order to fit your drawings in the paper.

Assign scale here- Scale:1/1

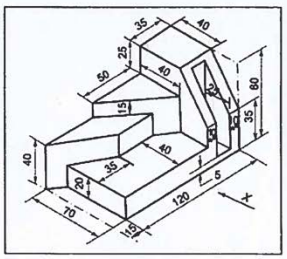

Fig. 1

Name: Samira Tasnim ID#: 1500053 Page # 2

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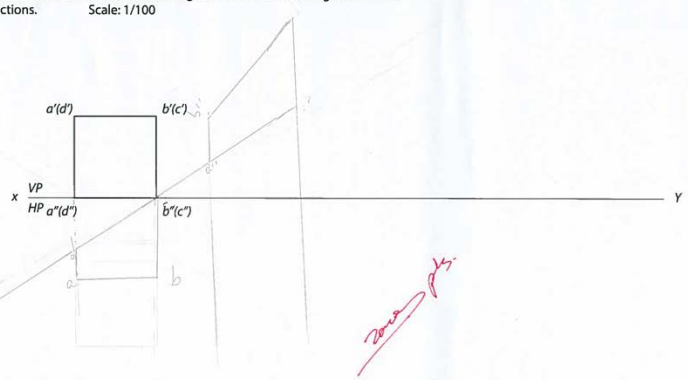
ARCHITECTURE COMMUNICATION I

Question 3:

- A cube of 30 mm sides with one of its edges on HP such that one of the square faces containing that edge is inclined at 30 ° to HP and the edge on which it rests being to 60° to VP.

Draw projections. Scale: 1/100



Name: Samira Tanikh ID#: 1500053 Page # 3

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ARCHITECTURE COMMUNICATION I

Question 4: *(BONUS QUESTIONS)*

- Find the correct views of Figure A.

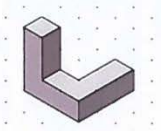

Figure A

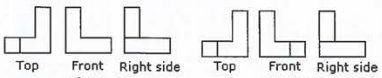

Figure 1

Figure 2

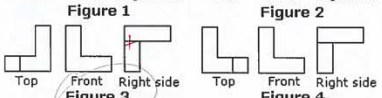

Figure 3

Figure 4

Question 5: *(BONUS QUESTIONS)*

- Draw the Isometric volume of Figure B.

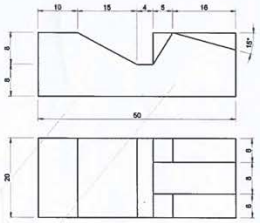

Figure B.

Name: Samira Tanikh ID#: 1500053 Page # 4

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ARCHITECTURE COMMUNICATION I

Question 6: *(SKETCHING)*

Sketch the object given to you.

12.5 + 2.5 = 15

Name: Samira Tanith ID#: 1320063 Page # 5

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-Assignments-

ARCH/ 203

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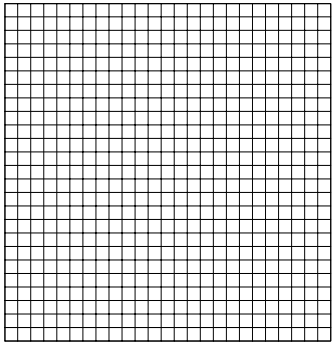
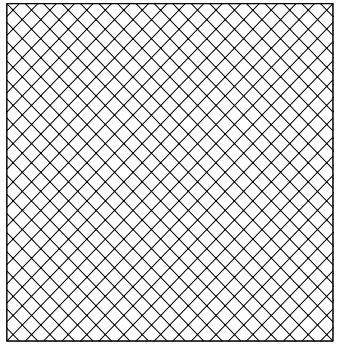
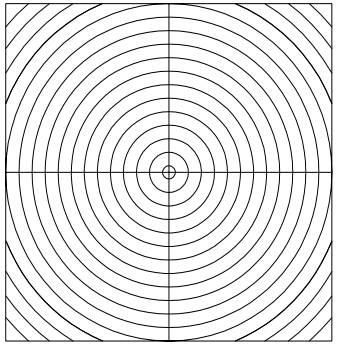
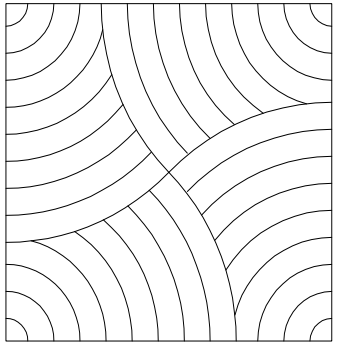
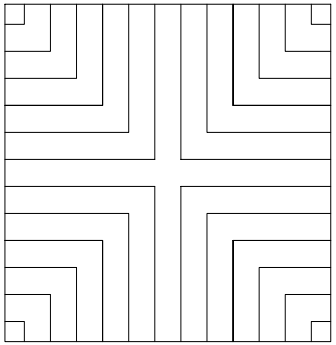
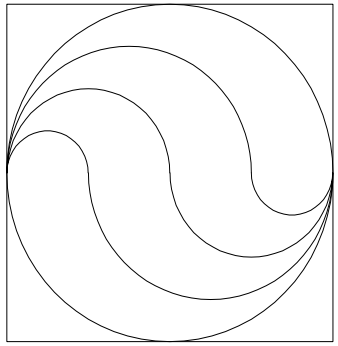
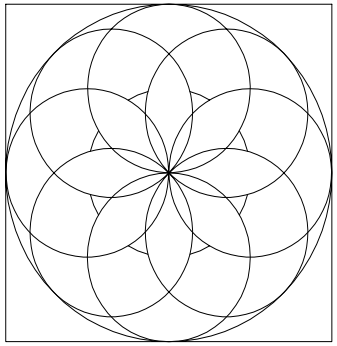
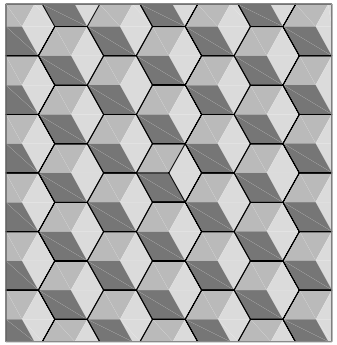
Architecture Communication Fall 2015

Hand out I

Draw a 12.5 cm square for each patternon an A3 paper. Spacing between each squarehave to be 2.5 cm.
First 3 sqrs the spacing will be according to the number of grid.
The rest squares students have to define and allocate the grid definition in order to construct the patterns.

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ARCH/ 203

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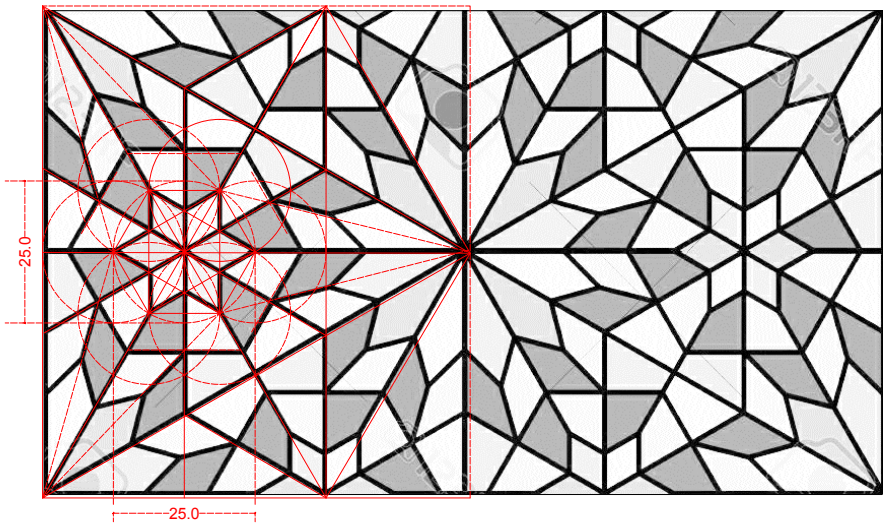
Hand out II

On an A٢ size paper format Draw the Islamic Pattern
with ٢H- ٤H lead pencil, then using a ٠،٣mm rapidograph trace the pattern.
On a separate paper color the pattern in a dio-tone
colors.
Create a relief of the pattern using balsa wood



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Hand out III

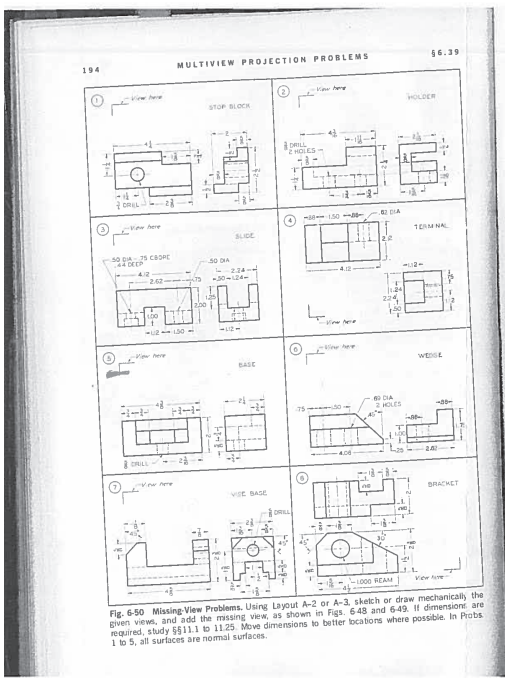
194 MULTIVIEW PROJECTION PROBLEMS §6.39

Fig. 6-50 **Missing-View Problems.** Using Layout A–2 or A–3, sketch or draw mechanically the given views, and add the missing view, as shown in Figs. 6-48 and 6-49. If dimensions are required, study §§11.1 to 11.25. Move dimensions to better locations where possible. In Probs. 1 to 5, all surfaces are normal surfaces.

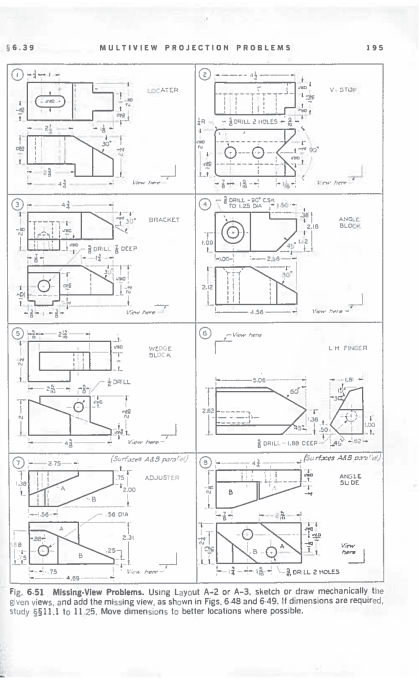
§6.39 MULTIVIEW PROJECTION PROBLEMS 195

Fig. 6-51 **Missing-View Problems.** Using Layout A–2 or A–3, sketch or draw mechanically the given views, and add the missing view, as shown in Figs. 6-48 and 6-49. If dimensions are required, study §§11.1 to 11.25. Move dimensions to better locations where possible.

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Architecture Communication Fall 2015

Hand out IV

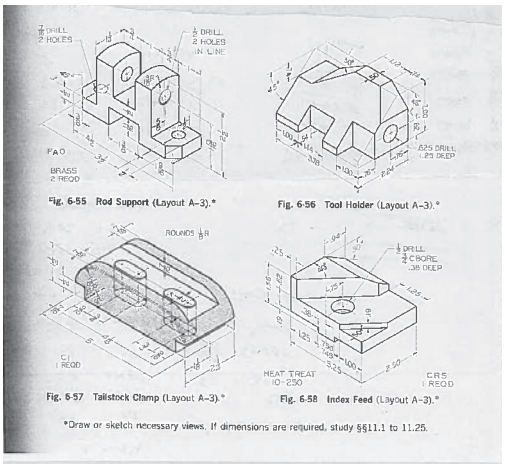

Fig. 6-55 Rod Support (Layout A-3).*

Fig. 6-56 Tool Holder (Layout A-3).*

Fig. 6-57 Tailstock Clamp (Layout A-3).*

Fig. 6-58 Index Feed (Layout A-3).*

*Draw or sketch necessary views. If dimensions are required, study §§11.1 to 11.25.

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Architecture Communication Fall 2015

Hand out V

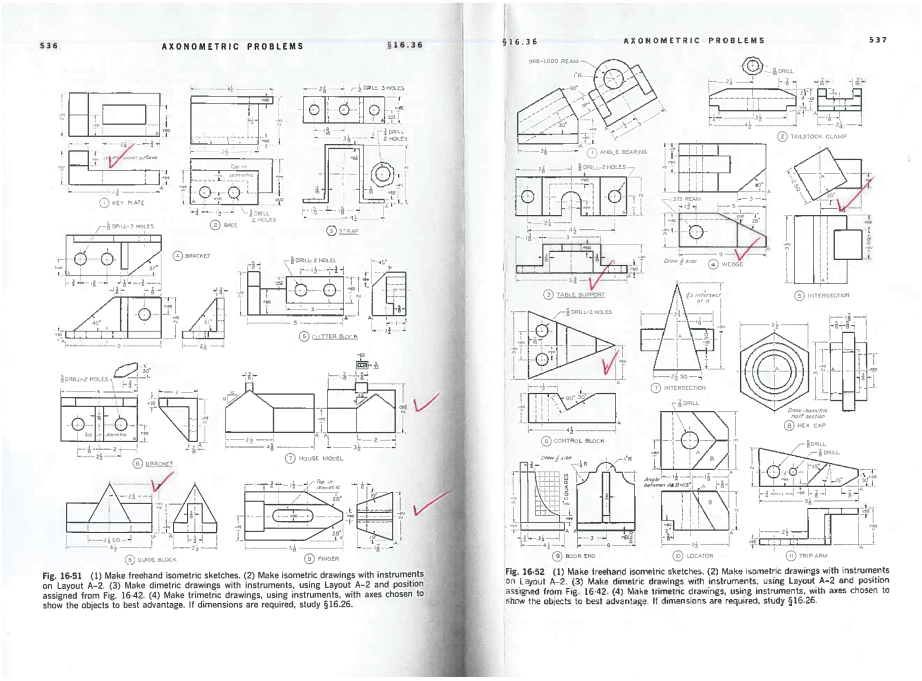

Fig. 16-51 (1) Make freehand isometric sketches. (2) Make isometric drawings with instruments on Layout A-2. (3) Make dimetric drawings with instruments, using Layout A-2 and position assigned from Fig. 16-42. (4) Make trimetric drawings, using instruments, with axes chosen to show the objects to best advantage. If dimensions are required, study §16.26.

Fig. 16-52 (1) Make freehand isometric sketches. (2) Make isometric drawings with instruments on Layout A-2. (3) Make dimetric drawings with instruments, using Layout A-2 and position assigned from Fig. 16-42. (4) Make trimetric drawings, using instruments, with axes chosen to show the objects to best advantage. If dimensions are required, study §16.26.

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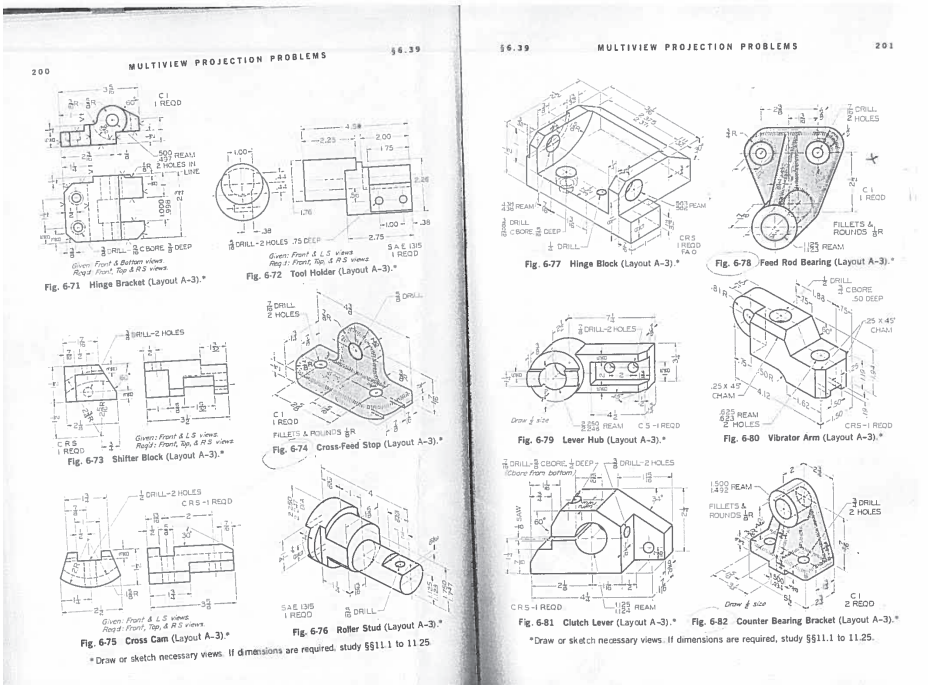
Architecture Communication Fall 2015

Hand out VI



200 MULTIVIEW PROJECTION PROBLEMS §6.39

Fig. 6-71 Hinge Bracket (Layout A–3).*

Fig. 6-72 Tool Holder (Layout A–3).*

Fig. 6-73 Shifter Block (Layout A–3).*

Fig. 6-74 Cross-Feed Stop (Layout A–3).*

Fig. 6-75 Cross Cam (Layout A–3).*

Fig. 6-76 Roller Stud (Layout A–3).*

* Draw or sketch necessary views. If dimensions are required, study §§11.1 to 11.25

§6.39 MULTIVIEW PROJECTION PROBLEMS 201

Fig. 6-77 Hinge Block (Layout A–3).*

Fig. 6-78 Feed Rod Bearing (Layout A–3).*

Fig. 6-79 Lever Hub (Layout A–3).*

Fig. 6-80 Vibrator Arm (Layout A–3).*

Fig. 6-81 Clutch Lever (Layout A–3).*

Fig. 6-82 Counter Bearing Bracket (Layout A–3).*

*Draw or sketch necessary views. If dimensions are required, study §§11.1 to 11.25.

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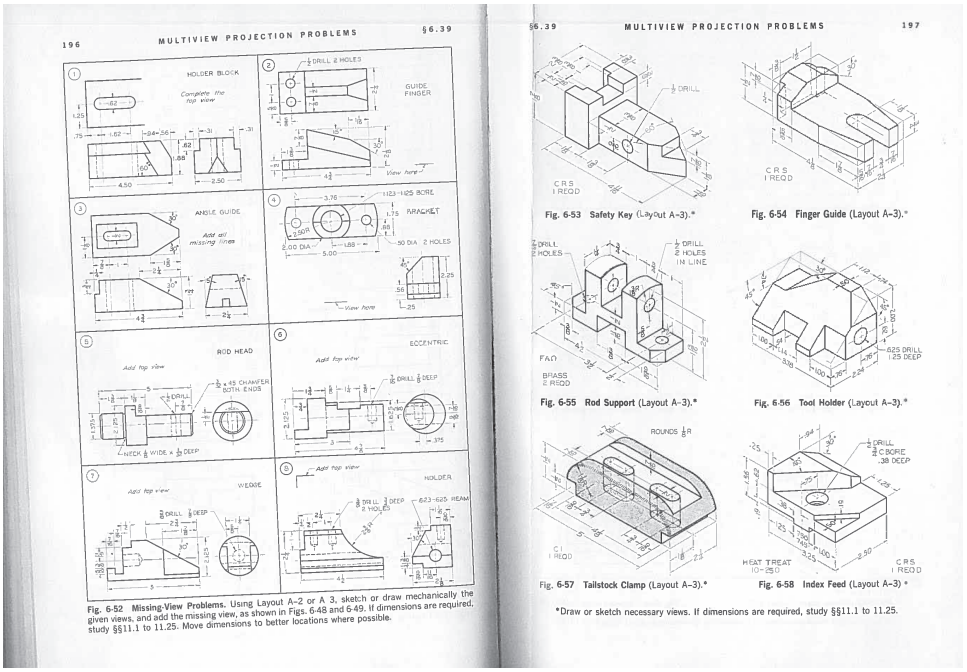
Architecture Communication Fall 2015

Hand out VII



196 MULTIVIEW PROJECTION PROBLEMS §6.39

Fig. 6-52 **Missing-View Problems.** Using Layout A–2 or A 3, sketch or draw mechanically the given views, and add the missing view, as shown in Figs. 6-48 and 6-49. If dimensions are required, study §§11.1 to 11.25. Move dimensions to better locations where possible.

§6.39 MULTIVIEW PROJECTION PROBLEMS 197

Fig. 6-53 Safety Key (Layout A–3).*

Fig. 6-54 Finger Guide (Layout A–3).*

Fig. 6-55 Rod Support (Layout A–3).*

Fig. 6-56 Tool Holder (Layout A–3).*

Fig. 6-57 Tailstock Clamp (Layout A–3).*

Fig. 6-58 Index Feed (Layout A–3) *

*Draw or sketch necessary views. If dimensions are required, study §§11.1 to 11.25.

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-Student's Work Specimen-

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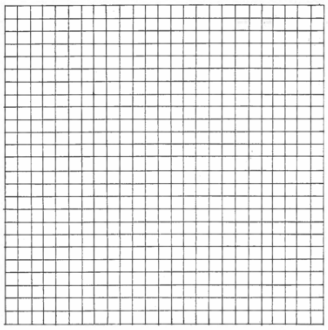

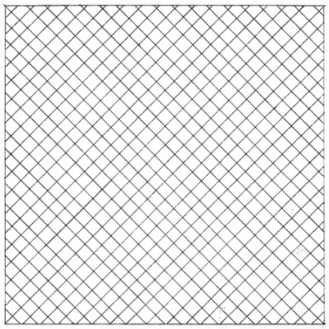

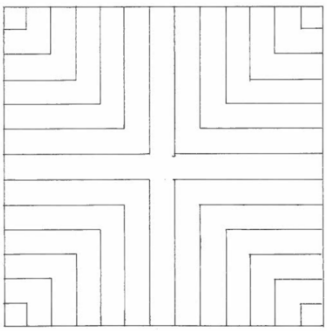

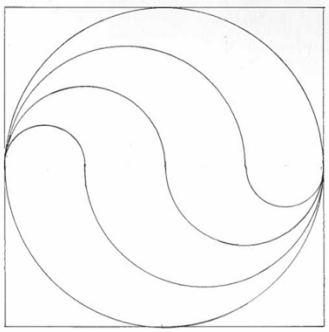

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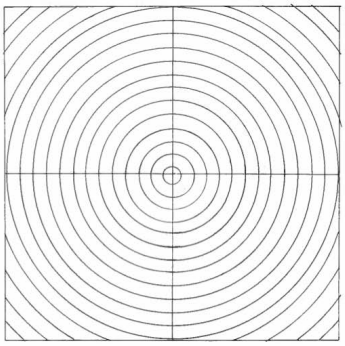

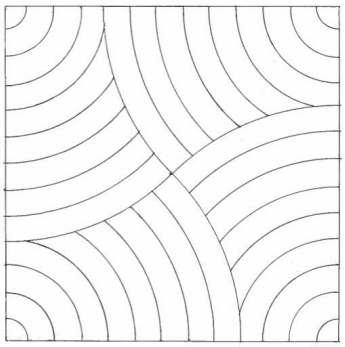

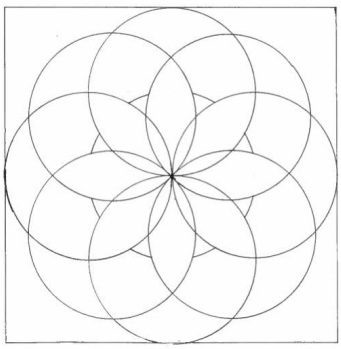

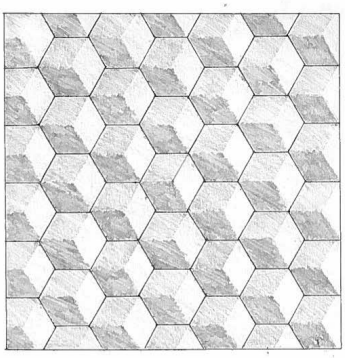

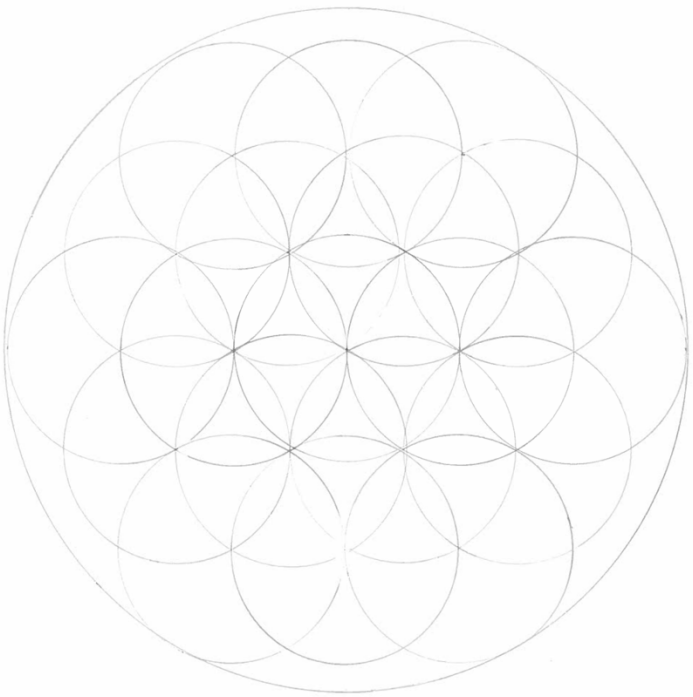

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Fig. 6.81; page 201 -

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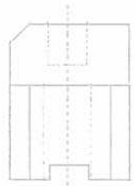
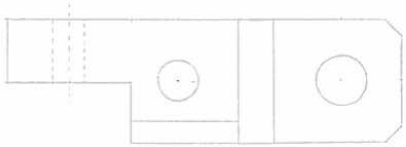


SIDE VIEW (RIGHT)



TOP VIEW

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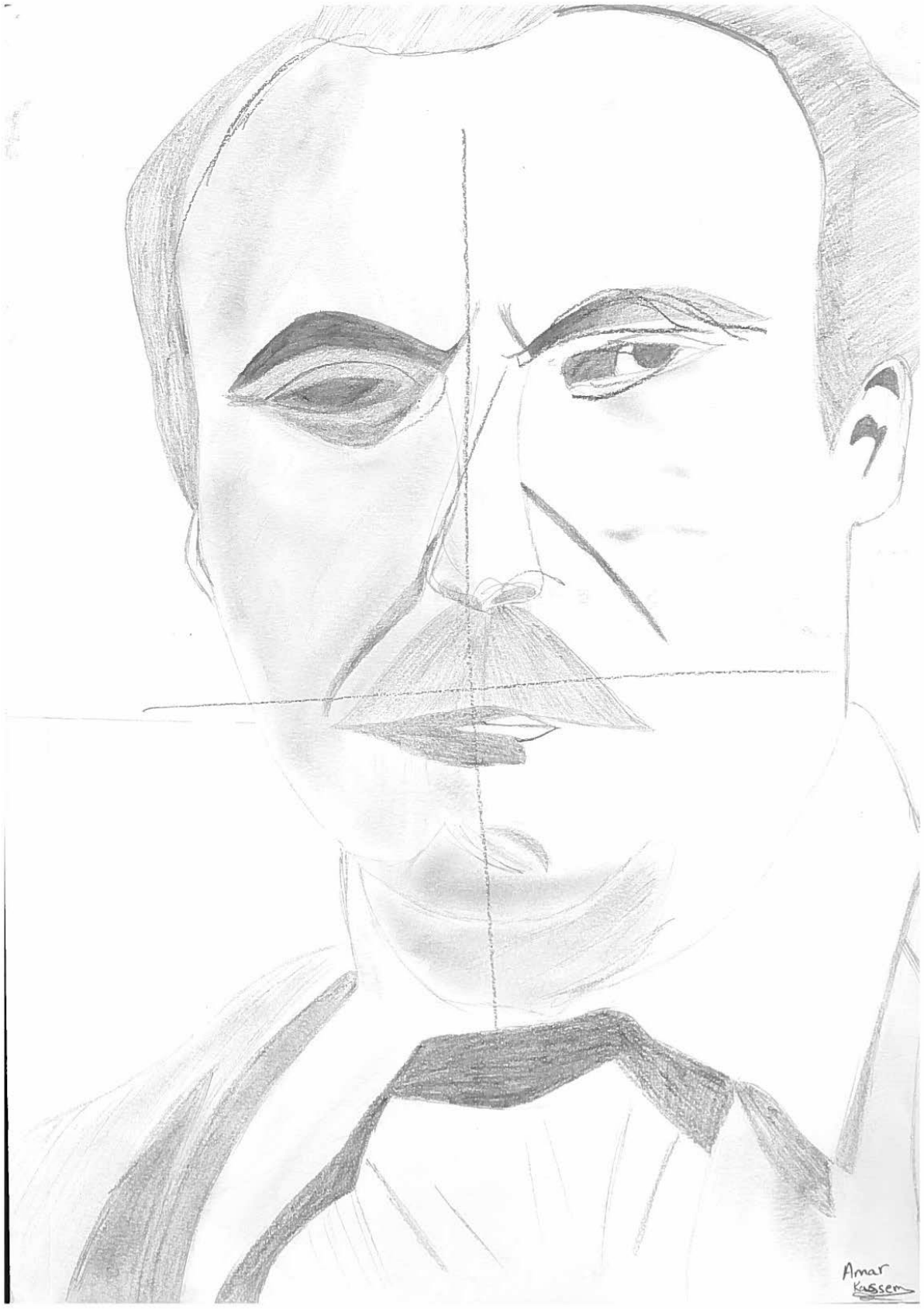
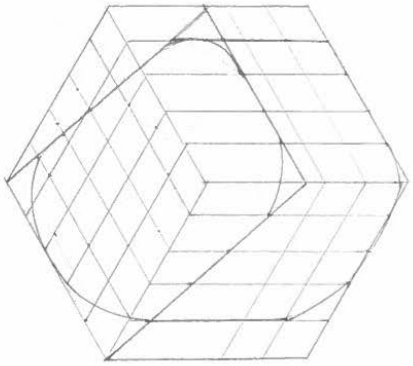
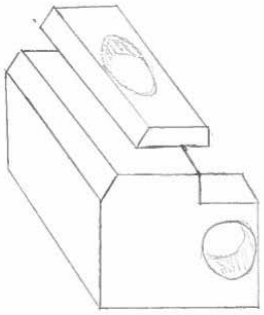
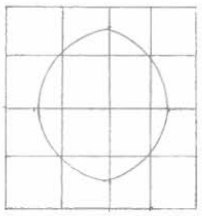
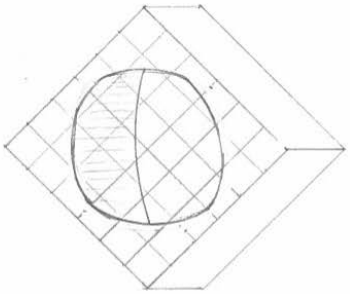
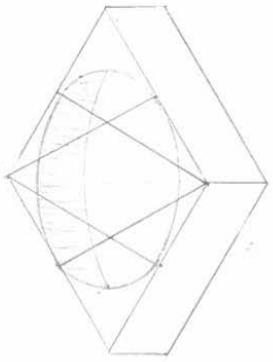

Amar
Kassem











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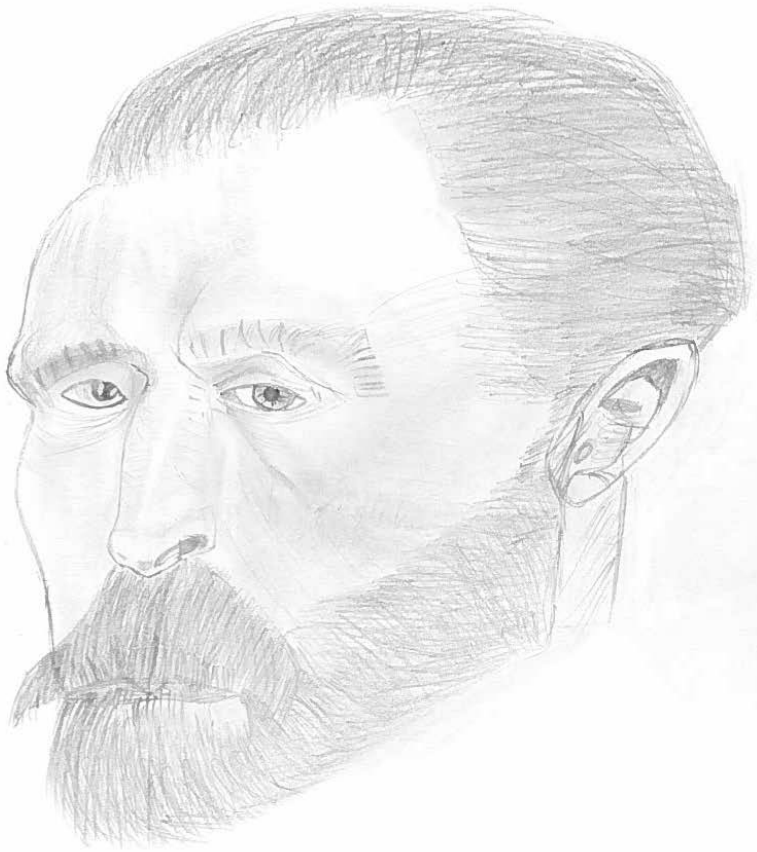

Van gokh

Amar Kassem

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& DESIGN

AXONOMETRIC PROBLEMS
N°: 6 - PAGE 938

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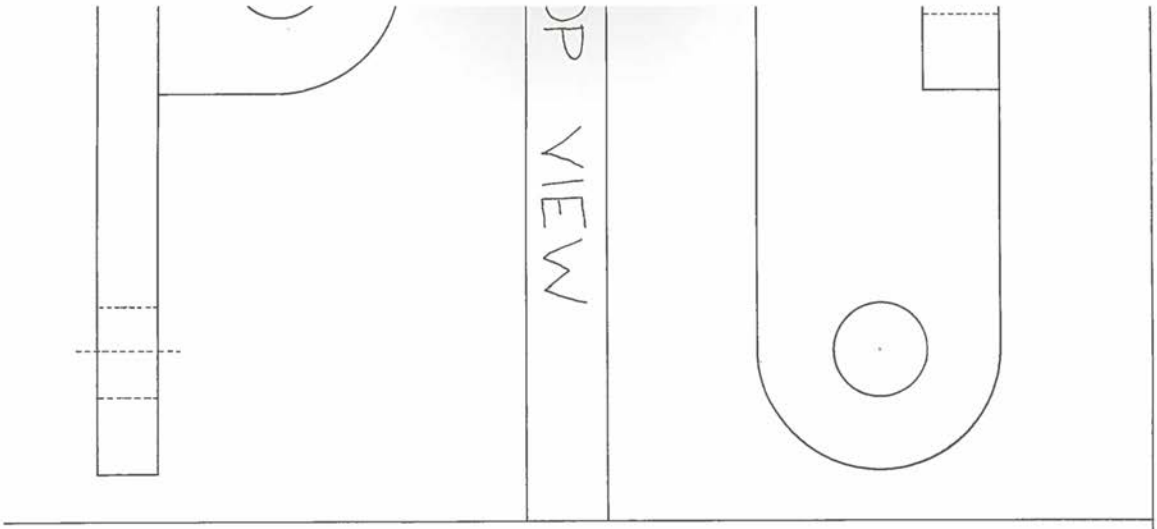

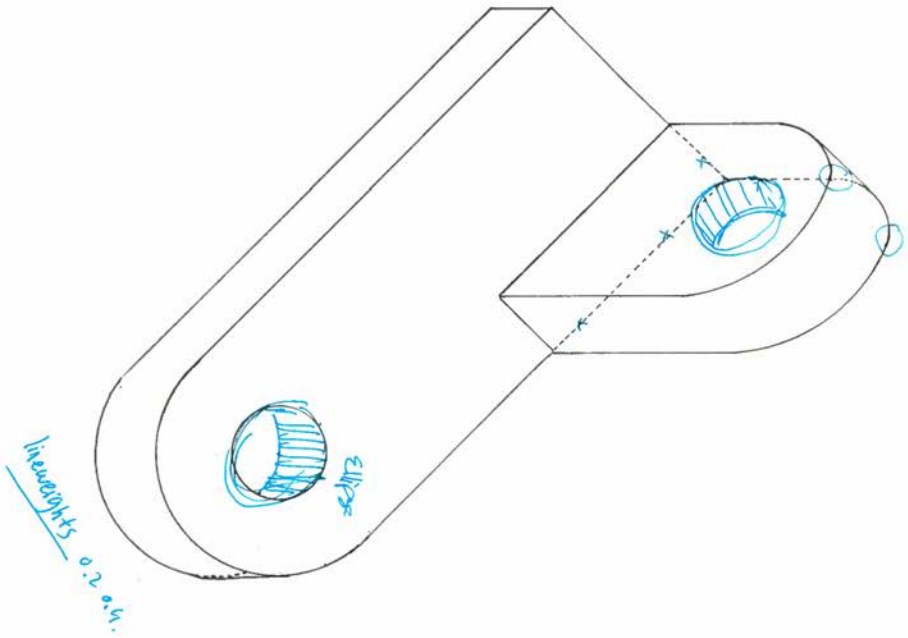

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	FACULTY OF ARCHITECTURE & DESIGN	AXONOMETRIC PROBLEMS N: 8 - PAGE 538

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1500062
AXONOMETRIC PROBLEMS
TUE 24 NOV 2015
EX. 3.4.5-6 PAGE 537
ARCH COM I
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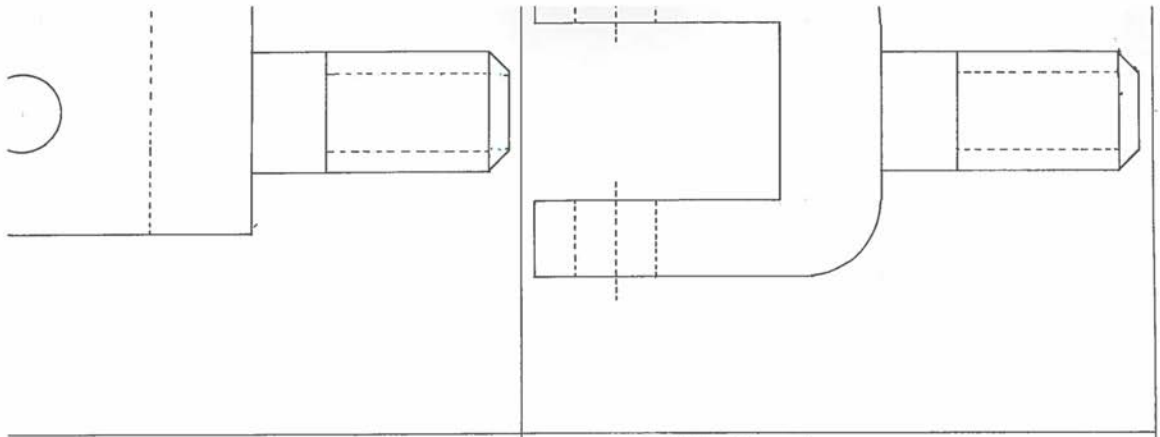
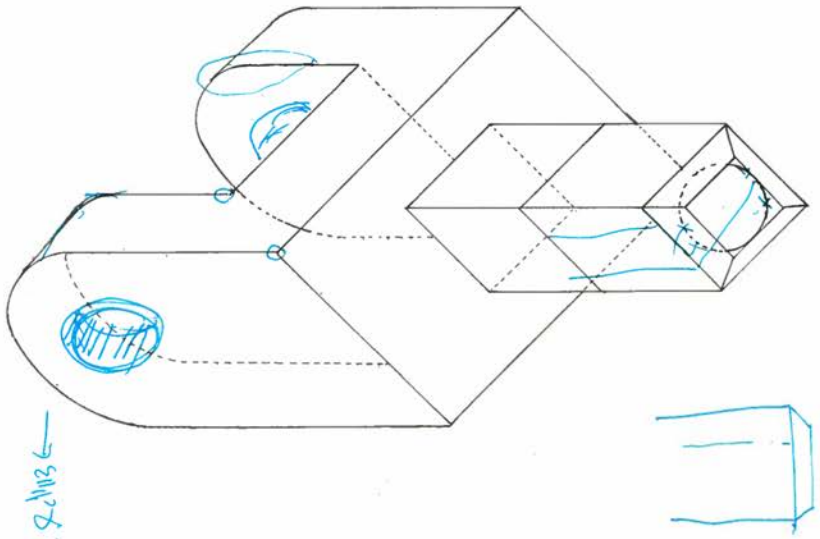


SIDE VIEW

FRONT VIEW



UNIVERSITY	HANADI CHAARANI # 1500062	ARCHITECTURE COMMUNICATION
	FACULTY OF ARCHITECTURE & DESIGN	AXONOMETRIC PROBLEMS N: 7 - PAGE 538

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AXONOMETRIC PROBLEMS
TUE 24 NOV 2015
EX. 1.7.8-9 PAGE 536 ASTM
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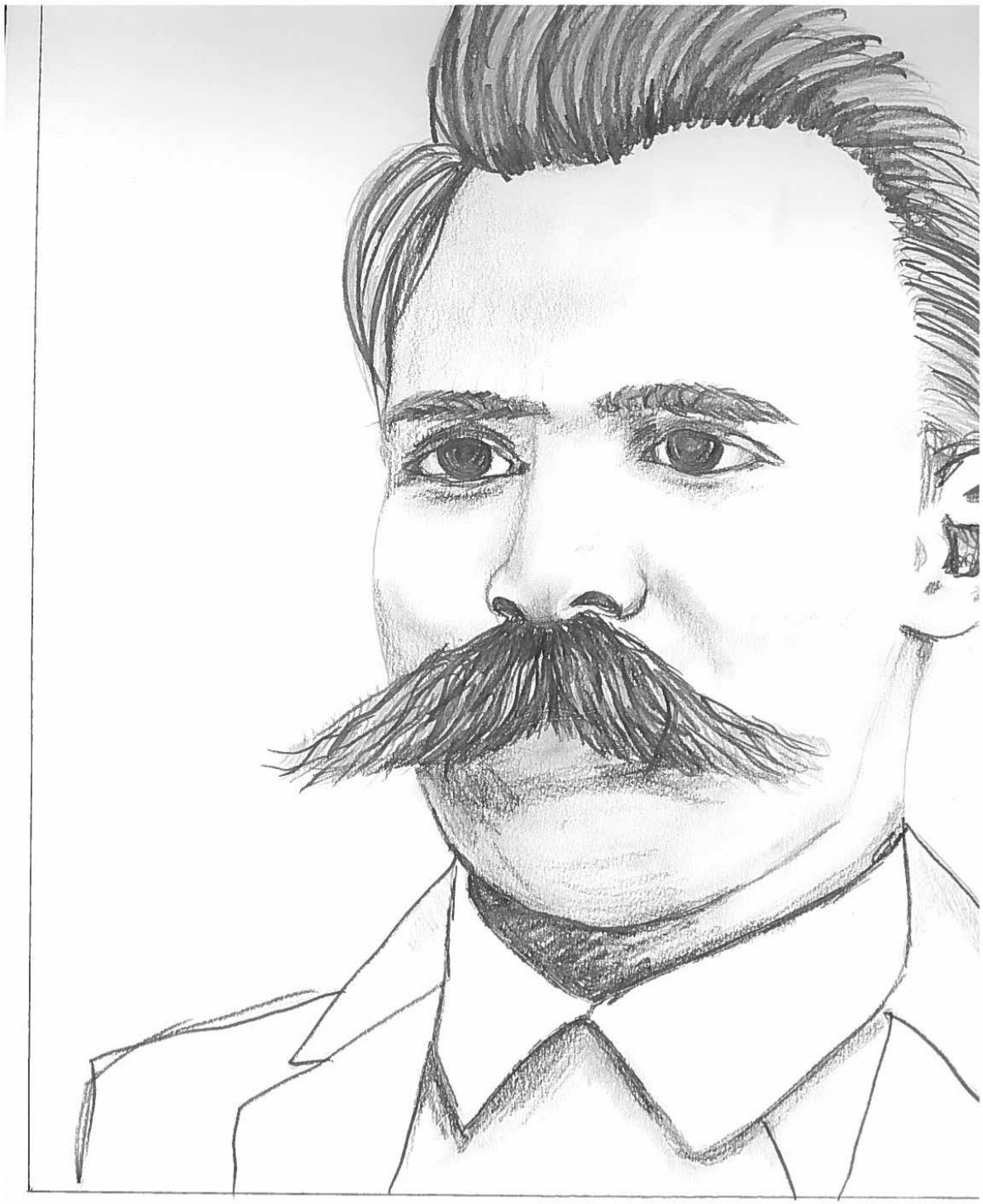

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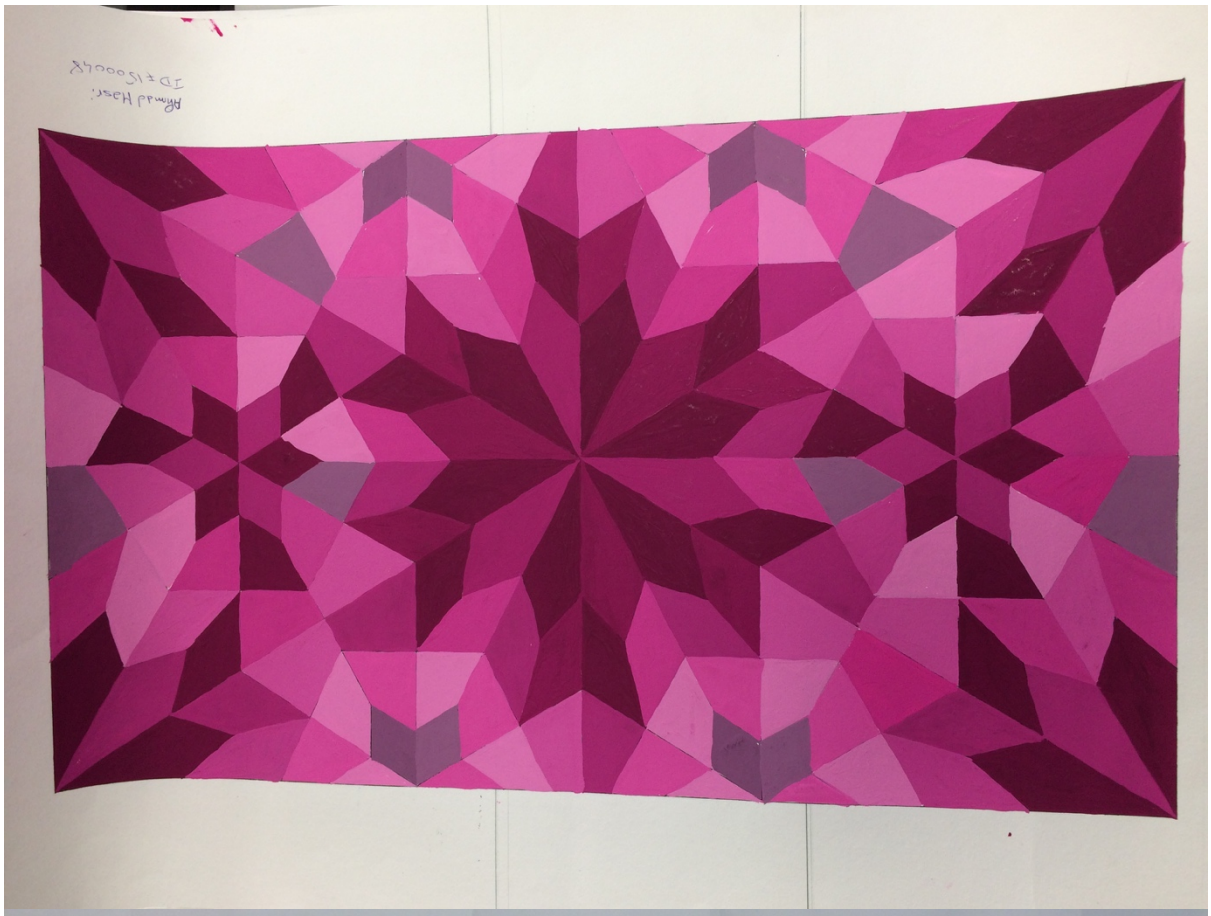
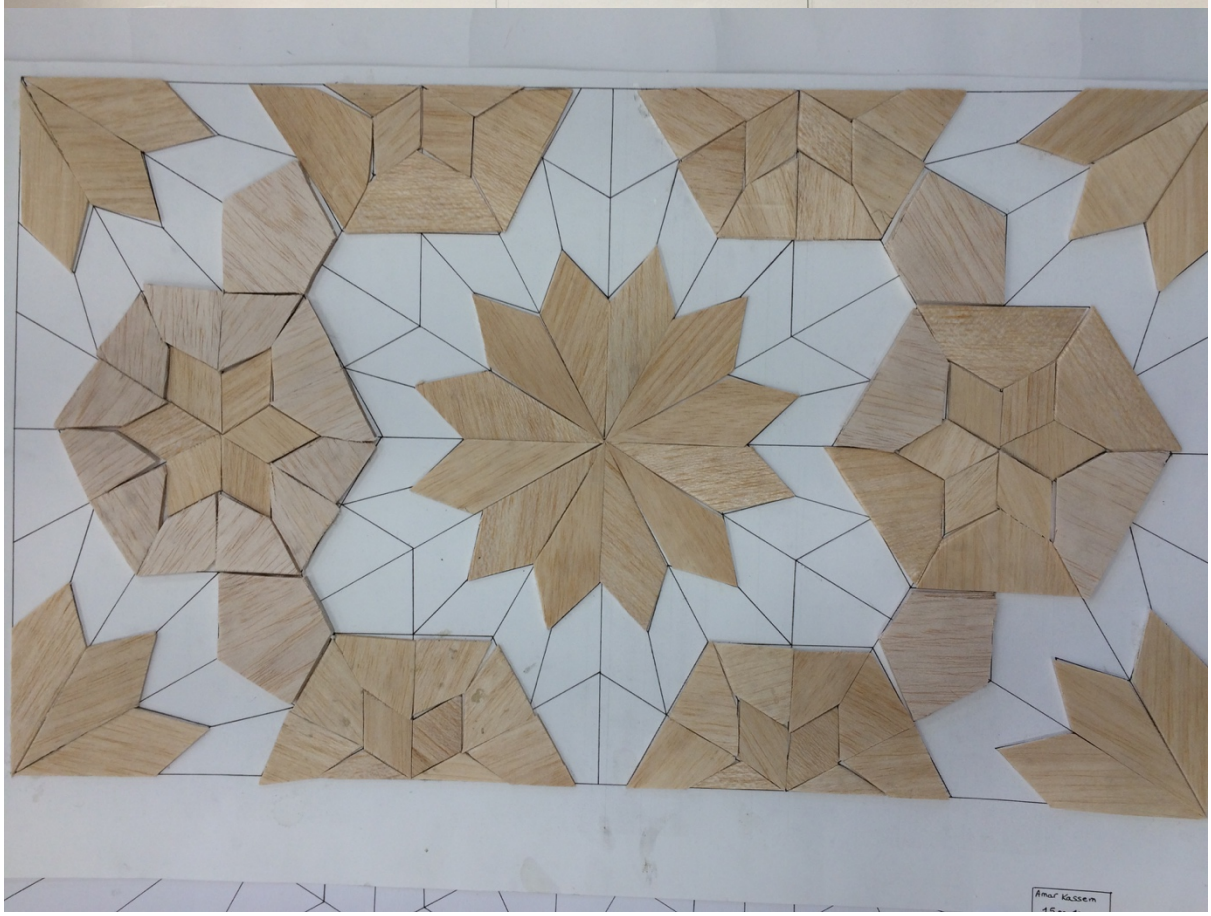
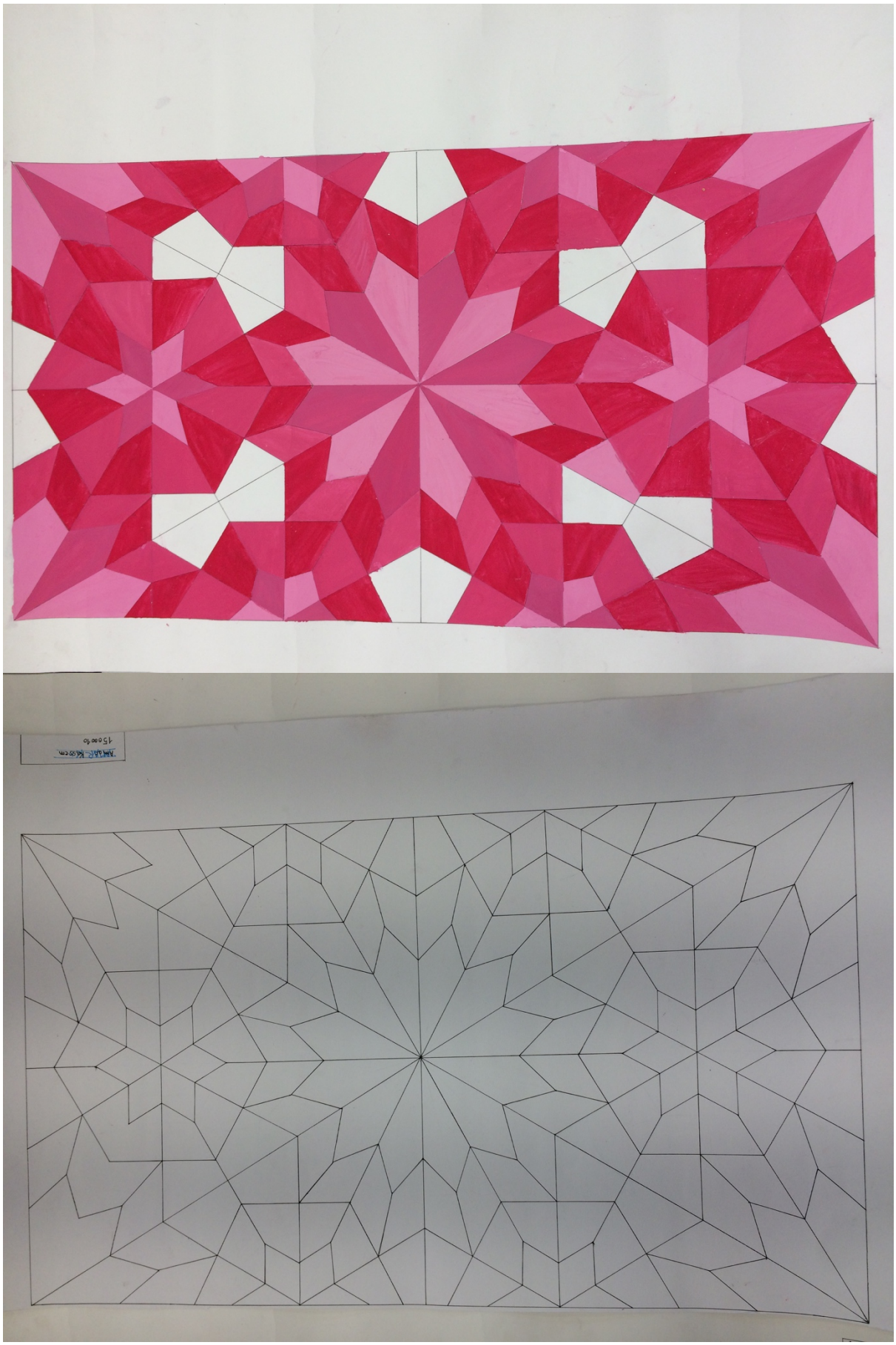
2015 - 2016.

NIETZSCHE PORTRAIT

AMAR KASSEM
Side
Top view
Front




Amar Kassem



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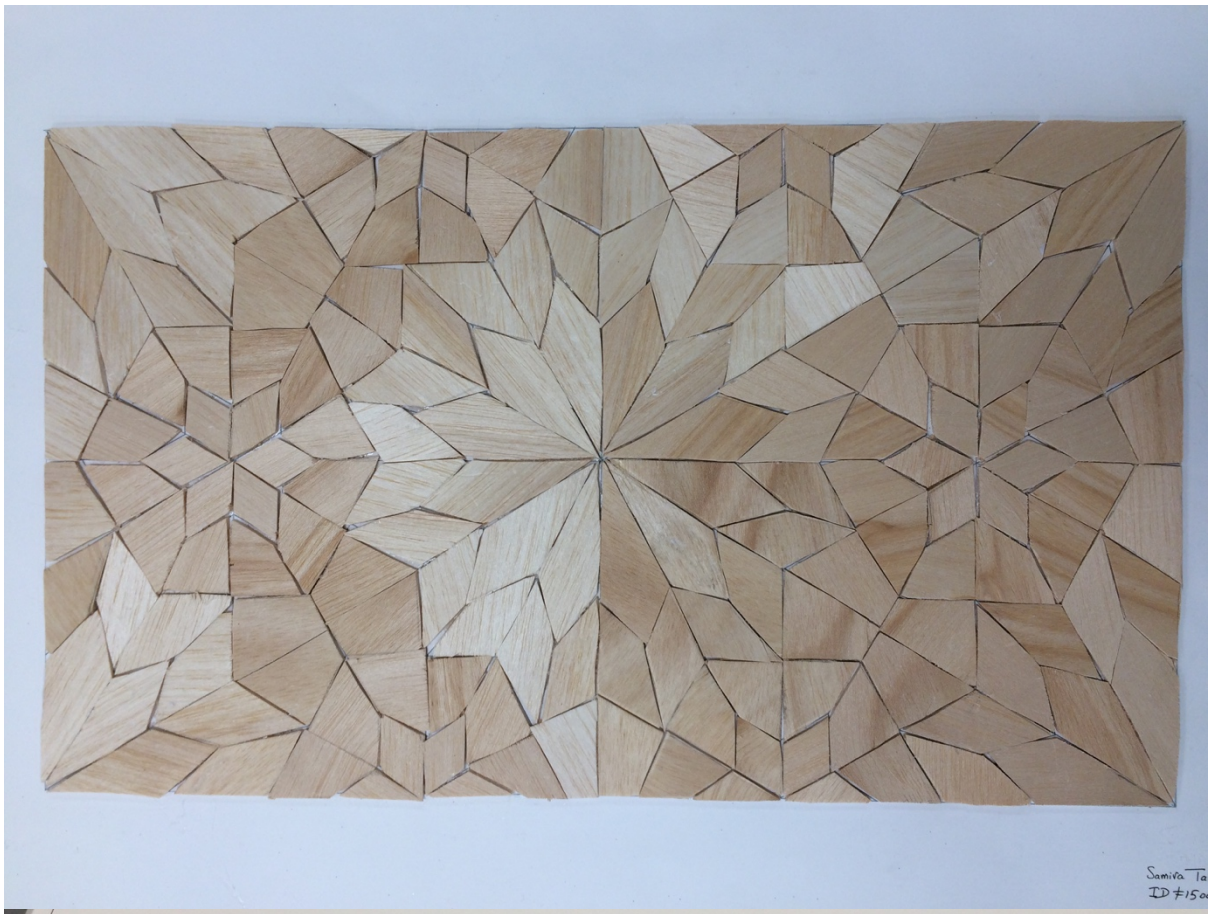

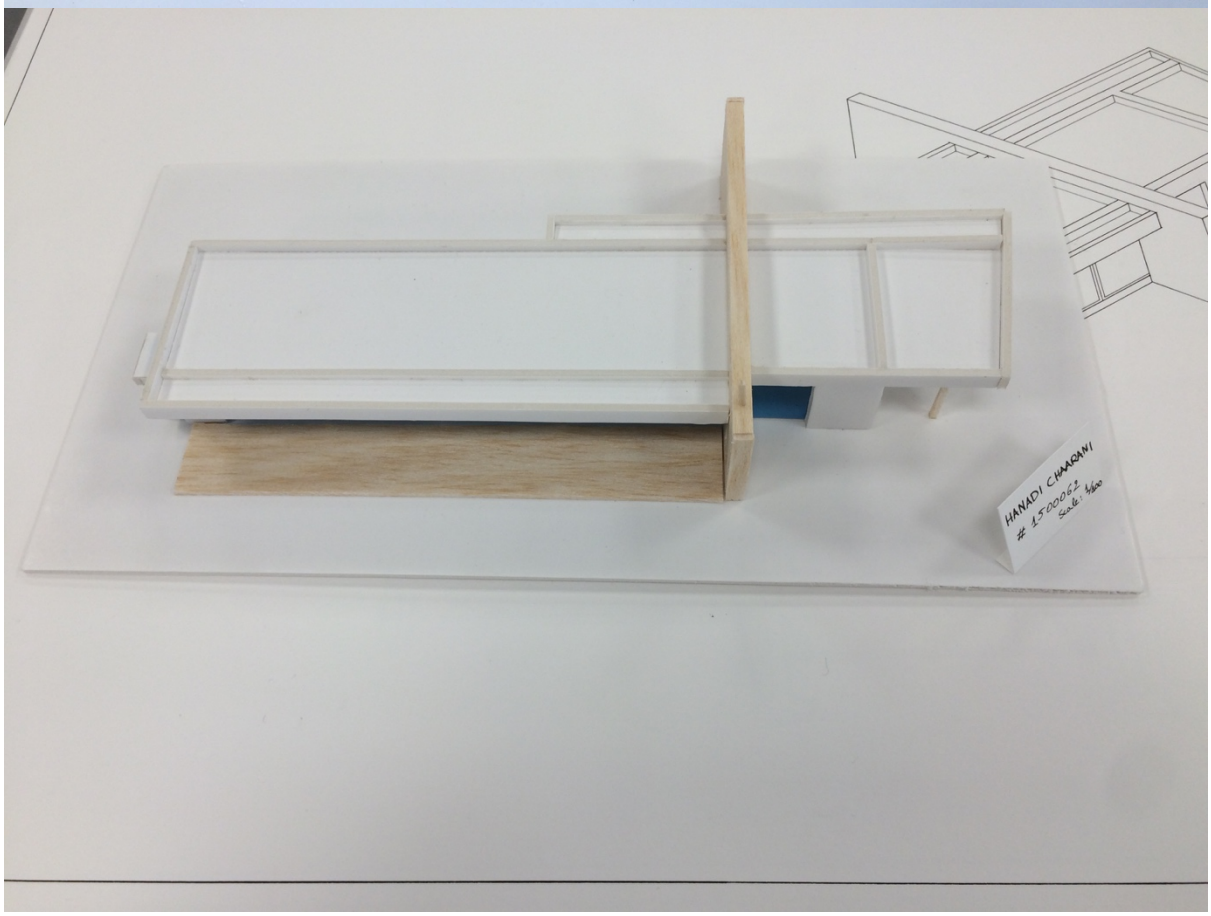

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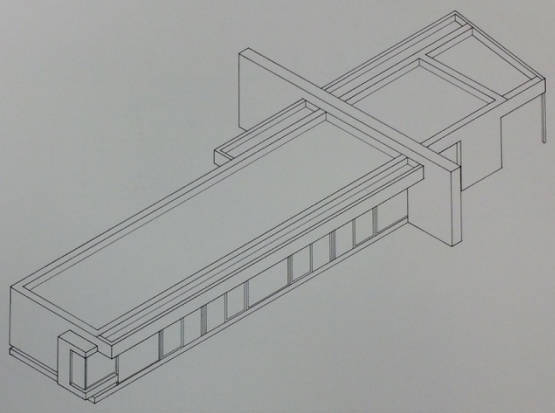

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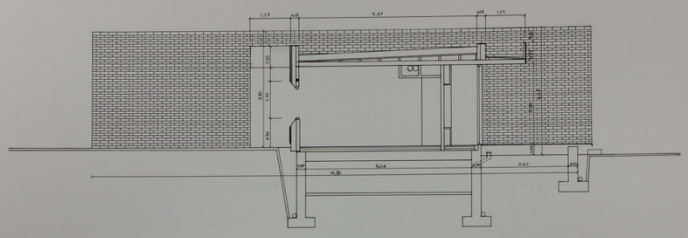
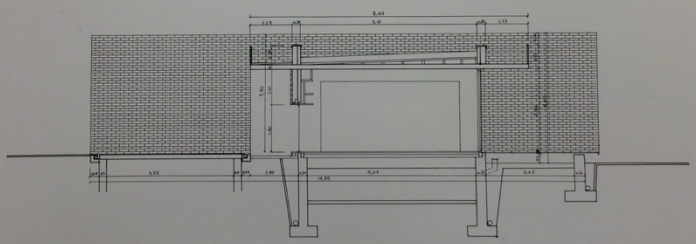
HANADI CHAARANI # 1500062	ARCHITECTURE COMMUNICATION MONDAY 14 DECEMBER 2015	FACULTY OF ARCHITECTURE AND DESIGN AZM UNIVERSITY
PROJECT TO BUILD A HOUSE 9 STREET OF GALLERANDS 95160 MONTMORENCY	ISOMETRIC VOLUME SCALE: 1/100	MASTERY OF WORK: ALLEGRE + BONANDRINI





HANADI CHAARANI # 1500062	ARCHITECTURE COMMUNICATION MONDAY 14 DECEMBER 2015	FACULTY OF ARCHITECTURE AND DESIGN AZM UNIVERSITY
PROJECT TO BUILD A HOUSE 9 STREET OF GALLERANDS 95160 MONTMORENCY	CROSS SECTION SCALE: 1/50	MASTERY OF WORK: ALLEGRE + BONANDRINI

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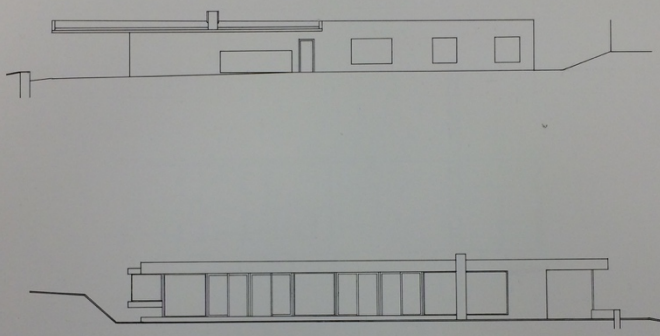
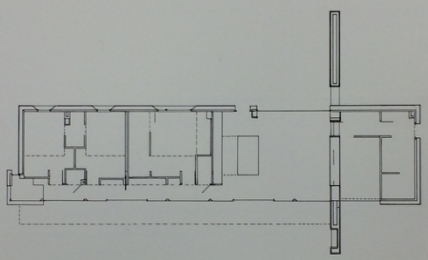


HANADI CHAARANI # 1500062	ARCHITECTURE COMMUNICATION MONDAY 14 DECEMBER 2015	FACULTY OF ARCHITECTURE AND DESIGN AZM UNIVERSITY
PROJECT TO BUILD A HOUSE 9 STREET OF GALLERANDS 95160 MONTMORENCY	SECTION - ELEVATION SCALE : 1/100	MASTERY OF WORK: ALLEGRE + BONANDRINI



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PROJECT TO BUILD A HOUSE 9 STREET OF GALLERANDS 95160 MONTMORENCY	CURRENT PLAN SCALE : 1/100	MASTERY OF WORK: ALLEGRE + BONANDRINI

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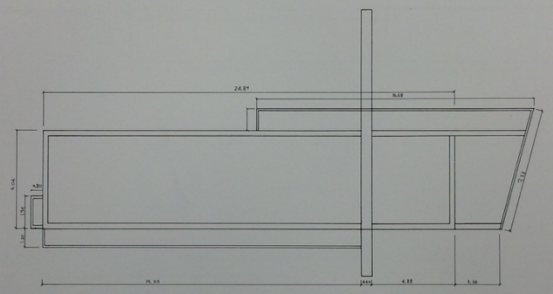

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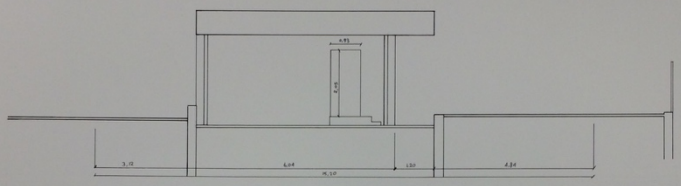
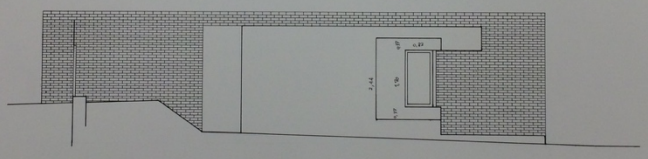
PROJECT TO BUILD A HOUSE 9 STREET OF GALLERANDS 95160 MONTMORENCY	ROOF PLAN SCALE: 1/100	MASTERY OF WORK: ALLEGRE + BONANDRINI





HANADI CHAARANI # 1500062	ARCHITECTURE COMMUNICATION MONDAY 14 DECEMBER 2015	FACULTY OF ARCHITECTURE AND DESIGN AZM UNIVERSITY
PROJECT TO BUILD A HOUSE 9 STREET OF GALLERANDS 95160 MONTMORENCY	SECTION - ELEVATION SCALE: 1/50	MASTERY OF WORK: ALLEGRE + BONANDRINI

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#1500062.

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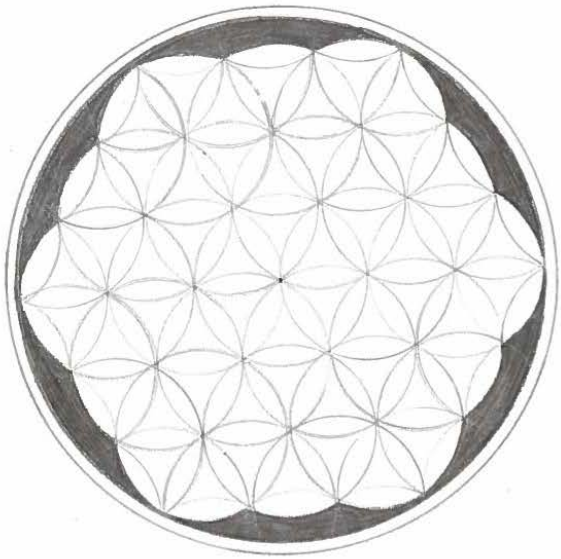

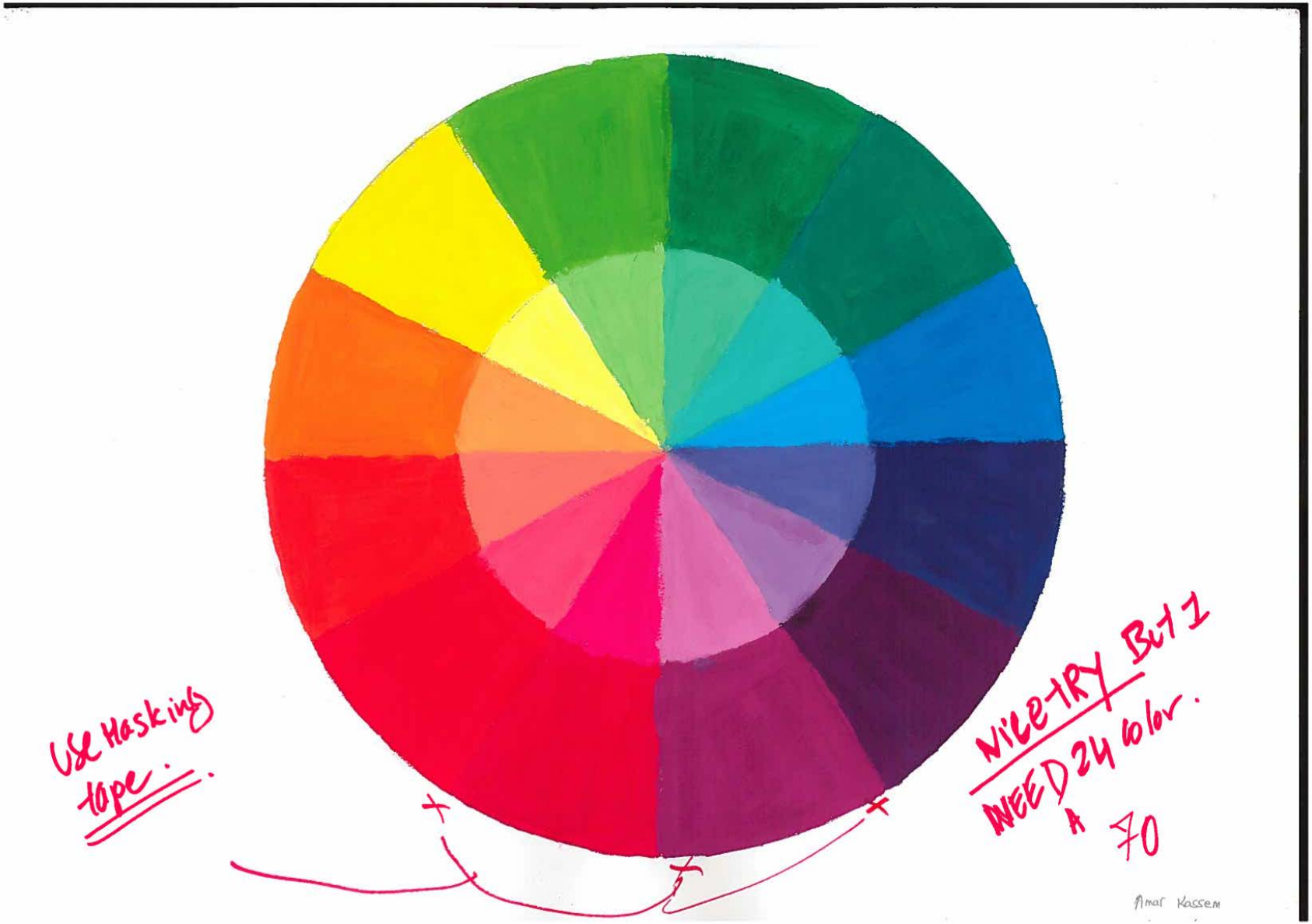

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j h i g K l

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I rove my sister very mutch

+2

Amar Kassem
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A B C D E F G H I J K L

M N O P Q R S T U V W X

Y Z

I AM VERY ANGRY

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Amal Kassem
150001a

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LARA KANAWATI

dara Kanawati
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-Grades Report-

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-Grades Report-

NAME	Midterm	Midterm Grade 25%	Final exam 35%
Abbas Sara	40	57	75
Al Ali Hassan	20	37	45
Al Rajab Rana	34	51	62
Ali Awatef	75	84	80
Arbass Mohammad	63	75	78
Baroudi Dima	55	69	60
Chaarani Neamah	50	65	100
El Helou Alaa	45	61	80
El Masri Chaarani Hanadi	85	90	89
Ezzo Sobhiyyeh	80	87	80
Fakhani Maryam	35	52	58
Haj Omar Diana	35	52	40
Kanawati Lara	50	65	78
Kassem Kamar	76	84	77
Khalife Zakariya	45	61	78
Masri Ahmad	35	52	50
Tanikh Samira	33	50	30
Tersom Malaz	33	50	55
Younes Mohamad Al Ameen	70	80	89
Course Average	50	64	69
Course Std Deviation	0.6	14.5	26.5

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-Grades Assignments-

NAME	15-Sep Color Wheel	8-Sep Patterns in Pencil	8-Sep Patterns in Ink	15-Sep Spirals
Abbas Sara		70	70	
Al Ali Hassan				
Al Rajab Rana	78	70	40	67
Ali Awatef	84	85	90	79
Arbass Mohammad	70	40	40	55
Baroudi Dima	80	40	40	80
Chaarani Neamah	83	76	78	78
El Helou Alaa				
El Masri Chaarani Hanadi			90	85
Ezzo Sobhiyyeh	82	78	73	70
Fakhani Maryam				
Haj Omar Diana	83	60	70	84
Kanawati Lara	78	75	75	78
Kassem Kamar	70	74	50	80
Khalife Zakariya	50	40	40	50
Masri Ahmad	84	50	50	67
Tanikh Samira	67	40	40	56
Tersom Malaz	86	40	40	50
Younes Mohamad Al Ameen	40	55	50	65
Course Average				
Course Std Deviation	**13.2**	**16.2**	**18.3**	**11.8**

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-Grades Assignments-

NAME	18-Sep Stars	22-Sep Islamic Pattern in Ink	22-Sep Islamic Pattern in Color	22-Sep Relief
Abbas Sara				
Al Ali Hassan				
Al Rajab Rana	40	76	85	40
Ali Awatef	88	86	87	87
Arbass Mohammad	56	75	70	60
Baroudi Dima	40	65	75	80
Chaarani Neamah	80	78	78	80
El Helou Alaa		66	55	75
El Masri Chaarani Hanadi	83			
Ezzo Sobhiyyeh	82	88	80	75
Fakhani Maryam	40	40	40	40
Haj Omar Diana	84	80	80	40
Kanawati Lara	80	70	75	80
Kassem Kamar	78	78	80	80
Khalife Zakariya	50	70	76	65
Masri Ahmad	65	40	78	40
Tanikh Samira	75	40	40	80
Tersom Malaz	76	75	40	40
Younes Mohamad Al Ameen	60	70	70	75
Course Average				
Course Std Deviation	**16.7**	**15.0**	**15.7**	**17.8**

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-Grades Assignments-

NAME	11-Sep Lettering	13-Oct Sketching Portrait	29-Sep Auxilliary Projection	16-Oct Isometric Projection	20-Oct Urban Context	24-Nov Architectural Project Analysis
Abbas Sara	82	85		75	72	75
Al Ali Hassan	76	40	40	40	60	60
Al Rajab Rana	83	40	40	40	40	70
Ali Awatef	89	90	80	85	80	85
Arbass Mohammad	76	40	40	78	70	70
Baroudi Dima	87	88	40	40	40	70
Chaarani Neamah	89	89	80	88	75	80
El Helou Alaa	72	40	70	75	60	68
El Masri Chaarani Hanadi	89	89	40	87	87	94
Ezzo Sobhiyyeh	83	87	80	81	75	70
Fakhani Maryam		88	40	40	40	40
Haj Omar Diana	90	40	40	82	85	40
Kanawati Lara	78	40	85	85	83	85
Kassem Kamar	80	85	85	83	80	78
Khalife Zakariya	80	40	40	78	70	78
Masri Ahmad	80	40	40	64	80	70
Tanikh Samira	60	78	40	40	40	70
Tersom Malaz	80	40	78	75	83	68
Younes Mohamad Al Ameen	80	40	84	64	87	88
Course Average						
Course Std Deviation	**7.1**	**23.4**	**20.2**	**18.1**	**16.6**	**13.5**

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-Grades Report-

40%

NAME	Average Assignments	Final Grade	Final Grade Rounded
Abbas Sara	76	71	71
Al Ali Hassan	53	46	46
Al Rajab Rana	58	58	60
Ali Awatef	85	83	85
Arbass Mohammad	60	70	70
Baroudi Dima	62	63	63
Chaarani Neamah	81	84	85
El Helou Alaa	65	69	70
El Masri Chaarani Hanadi	83	87	87
Ezzo Sobhiyyeh	79	81	81
Fakhani Maryam	45	51	51
Haj Omar Diana	68	54	54
Kanawati Lara	76	74	74
Kassem Kamar	77	79	80
Khalife Zakariya	59	66	66
Masri Ahmad	61	55	55
Tanikh Samira	55	45	45
Tersom Malaz	62	57	57
Younes Mohamad Al Ameen	66	78	80
Course Average	67	68	68
Course Std Deviation	22.2	19.5	19.5

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-Attendance Sheet-

NAME	Attendance
Abbas Sara (Late)	14
Al Ali Hassan (Late)	9
Al Rajab Rana	19
Al Zaghal Amar (W)	0
Ali Awatef	26
Arbass Mohammad	26
Baroudi Dima	22
Chaarani Neamah	25
El Helou Alaa (Late)	23
El Masri Chaarani Hanadi (Late)	18
Ezzo Sobhiyyeh	25
Fakhani Maryam (Late)	21
Haj Omar Diana	23
Kanawati Lara	22
Kassem Kamar	21
Khalife Zakariya	17
Masri Ahmad	24
Sabalbal Nour (W)	55
Tanikh Samira	25
Tersom Malaz	13
Younes Mohamad Al Ameen	25