

Kitchen Cupboard Making, CAD/CAM Design, and Installation Course

BAVARSITY Campus
Paternoster

Course Overview

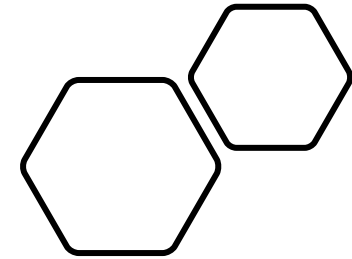
Course Title: Kitchen Cupboard Making,
CAD/CAM Design, and Installation Course

Hands-on Woodworking: Learn the art of
crafting kitchen cupboards

CAD/CAM Magic: Master the latest design
technology

Real-World Projects: Bring your designs from
screen to reality

Combine Functionality and Beauty: Craft kitchen
spaces that stand out

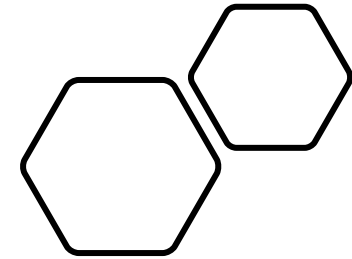


Course Overview

The Kitchen Cupboard Making, CAD/CAM Design, and Installation Course is tailored for students graduating high school and individuals looking to build a career in cabinetry and kitchen design

In this comprehensive 20-module course, you will not only delve into the art and science of crafting high-quality kitchen cupboards but also master the techniques of CAD/CAM design, allowing you to bring your designs to life

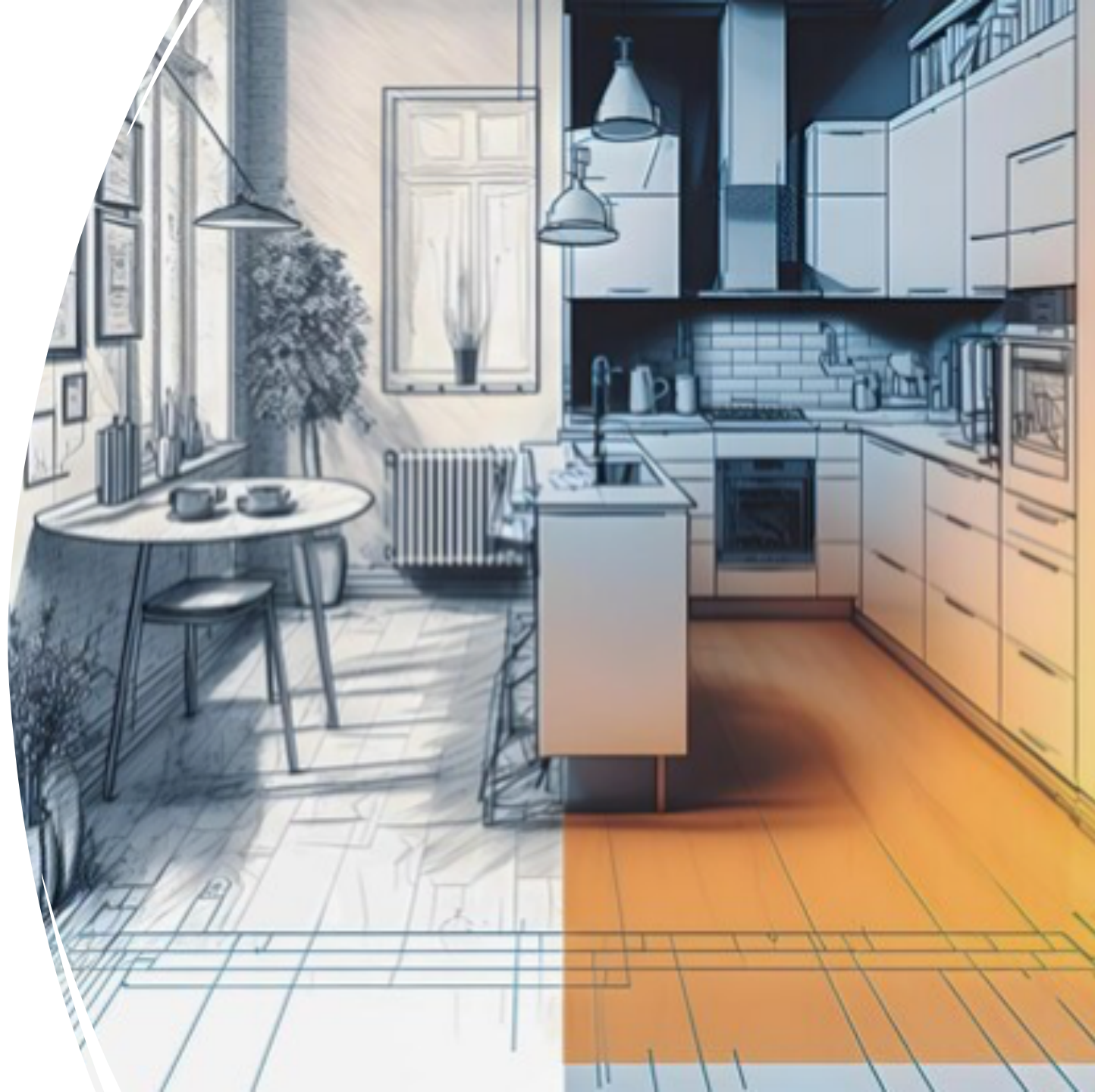
This program empowers you with the skills to create functional and aesthetically pleasing kitchen spaces from concept to installation



MODULE 1

INTRODUCTION TO CABINETS AND KITCHEN DESIGN

- Explore the world of cabinetry and its significance in kitchen design
- Get an overview of the CAD/CAM technology's role in modern kitchen design





Module 2

Safety and Workshop Essentials

- Learn the importance of safety in both woodworking and CAD/CAM design
- Understand the basic tools and equipment used in both areas



Module 3 Materials and Measurements

- Discover different types of wood and materials used in cabinet making
- Master accurate measurements and calculations for your projects and CAD designs



Module 4 Blueprint Reading and Design Basics

- Develop the ability to read and create blueprints for kitchen cupboards
- Grasp the fundamentals of design principles for both physical and digital design



Module 5

Hand Tool Proficiency

- Learn how to use hand tools effectively in woodworking
- Develop skills in cutting, shaping, and finishing wood by hand
- Integrate CAD/CAM design concepts into the manual work



Module 6

Power Tool Operation

- Familiarize yourself with essential power tools used in cabinet making
- Gain hands-on experience with saws, drills, and sanders
- Understand how these tools complement CAD/CAM design



MODULE 7 CABINET JOINERY TECHNIQUES

- Explore various joinery methods, including dovetails, mortise and tenon, and biscuits
- Master techniques for creating strong and durable cabinet joints
- Integrate joinery into CAD/CAM designs

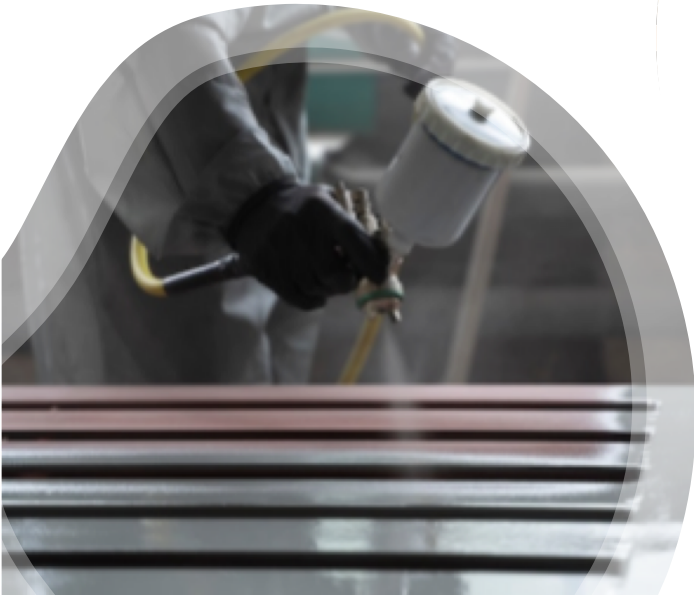




Module 8

Cabinet Assembly and Gluing

- Learn how to assemble cabinet components accurately
- Understand the gluing and clamping processes for a seamless finish
- Translate assembly processes into digital CAD/CAM simulations



Module 9 Cabinet Finishing and Polishing

- Discover the art of cabinet finishing
- Achieve a polished and professional look for your cupboards
- Simulate finishing and polishing in CAD/CAM designs



Module 10 Hardware and Fittings

- Explore the different hardware and fittings used in cabinet making
- Understand their functionality and how to install them
- Incorporate hardware and fittings into CAD/CAM design plans

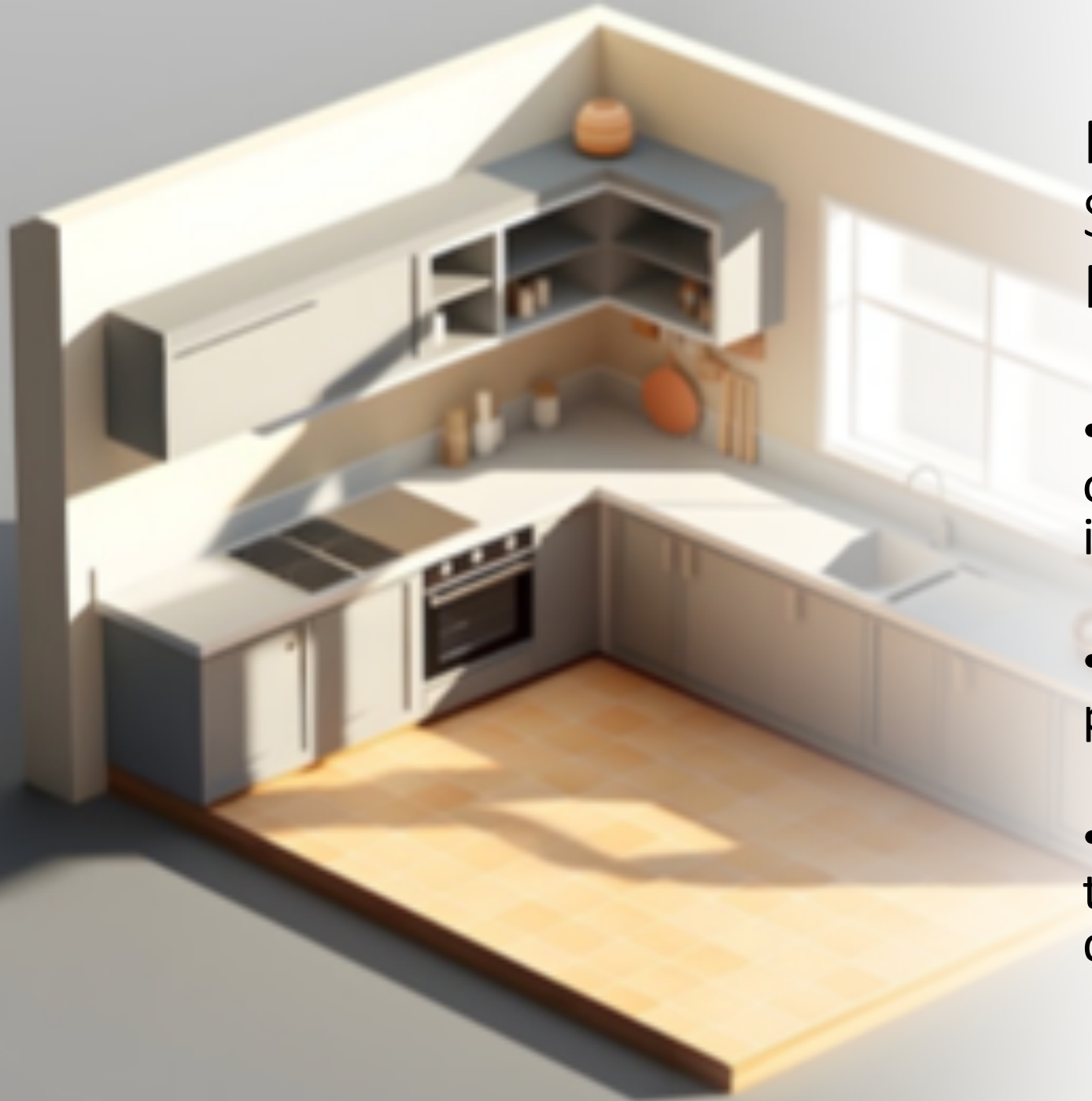


Module 11

Cabinet Installation Tools and Techniques

- Master the skills and tools needed for cabinet installation
- Learn how to ensure a perfect fit in any kitchen space
- Utilize CAD/CAM design to plan for installation





Module 12

Site Assessment and Measurements

- Explore the importance of assessing the installation site
- Accurately measure and plan for installation
- Use CAD/CAM software to create site-specific design plans

Module 13

Installing Base Cabinets

- Focus on the installation of base cabinets
- Learn techniques for leveling and securing cabinets to the wall
- Translate installation processes into CAD/CAM design considerations





Module 14 Wall Cabinet Installation

- Understand the nuances of wall cabinet installation
- Ensure that cabinets are securely attached and level on the wall
- Plan wall cabinet installation using CAD/CAM design

Module 15 Cabinet Doors and Drawer Installation

- Learn how to install cabinet doors and drawers for functionality and aesthetics
- Adjust hardware and fittings for a seamless operation
- Incorporate door and drawer specifications into CAD/CAM design



Module 16

Cabinet Trim

- Explore the use of trim to enhance cabinet aesthetics
- Learn installation techniques for a polished look
- Include trim designs in your CAD/CAM plans



MODULE 17 DESIGN PRINCIPLES FOR KITCHENS

- Dive into kitchen design principles
- Understand layouts, functionality, and aesthetic considerations
- Translate design principles into CAD/CAM modeling





MODULE 18

Finishing Touches and Personalization

- Add unique personal touches to kitchen cupboards
- Discover ways to make your designs stand out
- Integrate personalization into CAD/CAM designs



Module 19

Client Communication and Project Management

- Learn how to communicate effectively with clients
- Understand project management, including budgeting and timelines
- Use CAD/CAM design to create visual project proposals for clients

Module 20 Capstone Project and Graduation

Complete a comprehensive cabinet making and installation project

Showcase your skills and knowledge in a final exhibition

Present CAD/CAM design projects alongside their physical counterparts





Upon completing this course, you will be well-prepared to embark on a rewarding career in cabinetry and kitchen design, with the expertise to create functional and beautiful kitchen spaces from concept to installation, while seamlessly integrating CAD/CAM technology into your workflow

**BAVARSITY Campus -
Paternoster**

BAVARSITY.COM WORKSHOP SCHEDULE PATERNOSTER 2024/2025



COURSE - KITCHEN CUPBOARD MAKING, CAD/CAM DESIGN, AND INSTALLATION

STARTING ENDING

| | | |
|--|----------------------|----------------------|
| KC1.1 MODULE 1: INTRODUCTION TO CABINETRY AND KITCHEN DESIGN | 4 March 2024 | 4 March 2024 |
| KC1.2 MODULE 2: SAFETY AND WORKSHOP ESSENTIALS | 5 March 2024 | 5 March 2024 |
| KC1.3 MODULE 3: MATERIALS AND MEASUREMENTS | 6 March 2024 | 6 March 2024 |
| KC1.4 MODULE 4: BLUEPRINT READING AND DESIGN BASICS | 7 March 2024 | 7 March 2024 |
| KC1.5 MODULE 5: HAND TOOL PROFICIENCY | 8 March 2024 | 8 March 2024 |
| KC1.6 MODULE 6: POWER TOOL OPERATION | 11 March 2024 | 11 March 2024 |
| KC1.7 MODULE 7: CABINET JOINERY TECHNIQUES | 12 March 2024 | 12 March 2024 |
| KC1.8 MODULE 8: CABINET ASSEMBLY AND GLUING | 13 March 2024 | 13 March 2024 |
| KC1.9 MODULE 9: CABINET FINISHING AND POLISHING | 14 March 2024 | 14 March 2024 |
| KC1.10 MODULE 10: HARDWARE AND FITTINGS | 15 March 2024 | 15 March 2024 |
| KC1.11 MODULE 11: CABINET INSTALLATION TOOLS AND TECHNIQUES | 18 March 2024 | 18 March 2024 |
| KC1.12 MODULE 12: SITE ASSESSMENT AND MEASUREMENTS | 19 March 2024 | 19 March 2024 |
| KC1.13 MODULE 13: INSTALLING BASE CABINETS | 20 March 2024 | 20 March 2024 |
| KC1.14 MODULE 14: WALL CABINET INSTALLATION | 21 March 2024 | 21 March 2024 |
| KC1.15 MODULE 15: CABINET DOORS AND DRAWER INSTALLATION | 22 March 2024 | 22 March 2024 |
| KC1.16 MODULE 16: CABINET TRIM | 25 March 2024 | 25 March 2024 |
| KC1.17 MODULE 17: DESIGN PRINCIPLES FOR KITCHENS | 26 March 2024 | 26 March 2024 |
| KC1.18 MODULE 18: FINISHING TOUCHES AND PERSONALIZATION | 27 March 2024 | 27 March 2024 |
| KC1.19 MODULE 19: CLIENT COMMUNICATION AND PROJECT MANAGEMENT | 28 March 2024 | 28 March 2024 |
| KC1.20 MODULE 20: CAPSTONE PROJECT AND GRADUATION | 29 March 2024 | 29 March 2024 |

| COURSE - KITCHEN CUPBOARD MAKING, CAD/CAM DESIGN, AND INSTALLATION | STARTING | ENDING |
|--|-------------------|-------------------|
| KC1.1 MODULE 1: INTRODUCTION TO CABINETRY AND KITCHEN DESIGN - REMOTE | 1 April 2024 | 11 April 2024 |
| KC1.2 MODULE 2: SAFETY AND WORKSHOP ESSENTIALS - REMOTE ASSIGNMENTS | 11 April 2024 | 25 April 2024 |
| KC1.3 MODULE 3: MATERIALS AND MEASUREMENTS - REMOTE ASSIGNMENTS | 6 May 2024 | 16 May 2024 |
| KC1.4 MODULE 4: BLUEPRINT READING AND DESIGN BASICS - REMOTE ASSIGNMENTS | 20 May 2024 | 30 May 2024 |
| KC1.5 MODULE 5: HAND TOOL PROFICIENCY - REMOTE ASSIGNMENTS | 3 June 2024 | 13 June 2024 |
| KC1.6 MODULE 6: POWER TOOL OPERATION - REMOTE ASSIGNMENT | 17 June 2024 | 27 June 2024 |
| KC1.7 MODULE 7: CABINET JOINERY TECHNIQUES - REMOTE ASSIGNMENT | 1 July 2024 | 11 July 2024 |
| KC1.8 MODULE 8: CABINET ASSEMBLY AND GLUING - REMOTE ASSIGNMENT | 15 July 2024 | 25 July 2024 |
| KC1.9 MODULE 9: CABINET FINISHING AND POLISHING - REMOTE ASSIGNMENT | 5 August 2024 | 15 August 2024 |
| KC1.10 MODULE 10: HARDWARE AND FITTINGS - REMOTE ASSIGNMENT | 19 August 2024 | 29 August 2024 |
| KC1.11 MODULE 11: CABINET INSTALLATION TOOLS AND TECHNIQUES - REMOTE | 2 September 2024 | 12 September 2024 |
| KC1.12 MODULE 12: SITE ASSESSMENT AND MEASUREMENTS - REMOTE ASSIGNMENT | 16 September 2024 | 26 September 2024 |
| KC1.13 MODULE 13: INSTALLING BASE CABINETS - REMOTE ASSIGNMENT | 1 October 2024 | 10 October 2024 |
| KC1.14 MODULE 14: WALL CABINET INSTALLATION - REMOTE ASSIGNMENT | 14 October 2024 | 24 October 2024 |
| KC1.15 MODULE 15: CABINET DOORS AND DRAWER INSTALLATION - REMOTE | 4 November 2024 | 14 November 2024 |
| KC1.16 MODULE 16: CABINET TRIM - REMOTE ASSIGNMENT | 18 November 2024 | 28 November 2024 |
| KC1.17 MODULE 17: DESIGN PRINCIPLES FOR KITCHENS - REMOTE ASSIGNMENT | 2 December 2024 | 12 December 2024 |
| KC1.18 MODULE 18: FINISHING TOUCHES AND PERSONALIZATION - REMOTE ASSIGNMENT | 13 January 2025 | 23 January 2025 |
| KC1.19 MODULE 19: CLIENT COMMUNICATION AND PROJECT MANAGEMENT - REMOTE | 3 February 2025 | 13 February 2025 |
| KC1.20 MODULE 20: CAPSTONE PROJECT AND GRADUATION - REMOTE ASSIGNMENT | 17 February 2025 | 27 February 2025 |

| JANUARY 2024 | | | | | | | FEBRUARY 2024 | | | | | | | MARCH 2024 | | | | | | | APRIL 2024 | | | | | | | MAY 2024 | | | | | | | JUNE 2024 | | | | | | | |
|--------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|----------------|----|----|----|----|----|----|--------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|---------------|----|----|----|----|----|----|---|
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | 1 | 2 | 3 | 4 | | | | | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | 1 | 2 | 3 | 4 | 5 | | | | | | | 1 | 2 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
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| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 29 | 30 | | | | | | 26 | 27 | 28 | 29 | | | | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 29 | 30 | | | | | | 27 | 28 | 29 | 30 | 31 | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
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| JULY 2024 | | | | | | | AUGUST 2024 | | | | | | | SEPTEMBER 2024 | | | | | | | OCTOBER 2024 | | | | | | | NOVEMBER 2024 | | | | | | | DECEMBER 2024 | | | | | | | |
| M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | |
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| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | |
| 29 | 30 | 31 | | | | | 26 | 27 | 28 | 29 | 30 | 31 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 28 | 29 | 30 | 31 | | | | 25 | 26 | 27 | 28 | 29 | 30 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | | |
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| JANUARY 2025 | | | | | | | FEBRUARY 2025 | | | | | | | MARCH 2025 | | | | | | | APRIL 2025 | | | | | | | MAY 2025 | | | | | | | JUNE 2025 | | | | | | | |
| M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | |
| | | 1 | 2 | 3 | 4 | 5 | | | | | | 1 | 2 | | | | | | 1 | 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | 1 | 2 | 3 | 4 | 5 | | | | | | | 1 | 2 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
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| 27 | 28 | 29 | 30 | 31 | | | 24 | 25 | 26 | 27 | 28 | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 29 | 30 | | | | | | 27 | 28 | 29 | 30 | 31 | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
| | | | | | | | | | | | | | | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |