
ADAM SMITH COLLEGE
INSPIRING LEARNING

Course Handbook

NC Construction Foundation

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Welcome to Adam Smith College

This is the Course Handbook for the NC Construction Foundation. On behalf of the Course Team I would like to warmly welcome you to Adam Smith College. We feel sure that you will enjoy your time spent here.

To help you make the most of your time at College and to familiarise you with your course we have produced this course handbook. In here you will find information about the structure of your course, the teaching and learning styles used and the ways in which your work will be assessed and graded.

There is a considerable amount of information contained in this handbook, some of which will be of greater relevance to you as you work through the course than it is at the start of your studies in the College. However, we recommend that you read this Course Handbook through carefully **now**, then keep it safely - you will need to use it through your course.

We hope you will find the handbook a useful guide to your course and wish you every success in your studies.

Alan McNab

Curriculum Head: NC Construction Foundation

Information about your course

Your course is:	NC Construction Foundation
Your Curriculum Head is:	Alan McNab
His/Her office is:	ES 04
His/Her telephone number is:	01592 223366
His/Her email address is:	alanmcnab@adamsmith.ac.uk
Scheduled guidance time:	TBC

Your Curriculum Head

Each course in the Adam Smith College is assigned a Curriculum Head, whose role is to provide you with advice and support through your course of study. This falls roughly into two categories – guidance related to your studies and pastoral care to help you deal with any difficulties you might encounter of, for example, a personal, financial or health-related nature.

At the beginning of your course you will agree your learning targets with your Curriculum Head. These will be recorded on your Learner Agreement which both of you will sign. Throughout your course, your Curriculum Head will monitor your progress and meet with you regularly during the year to discuss how you are getting on.

Your Curriculum Head will also be available at a set time each week when you can meet if there's something you need to discuss. However, if something comes up which has to be dealt with urgently, you can ask to speak to your Curriculum Head at any time. He/she might not be able to meet you immediately – Curriculum Heads have classes to teach and other students to look after – but he/she will offer you an appointment as soon as possible or refer you to another appropriate member of staff.

Your Curriculum Head may not always be able to personally provide you with the sort of help or support you need, in which case he/she might recommend that you are referred to a member of the College's Guidance or Learning Support staff.

So, if at any time throughout your course, you experience difficulties which are affecting your progress as a student, your Curriculum Head should be your first contact. Please remember that unresolved problems rarely just go away. On the contrary, they tend to get worse the longer they're not dealt with. So, speak to your Curriculum Head sooner rather than later.

Your attendance at college and part-time employment

Your success as a student depends on full and regular attendance at **all** classes. You should inform your Curriculum Head as soon as possible if you have problems with attendance. Our records show that students who do not attend all their classes have a very high risk of failure.¹

¹ For full details of regulations about attendance, see the College Attendance Policy and Procedure.

We recognise that you may need to undertake part-time work, but we strongly advise you not to take employment of more than 15 hours a week if you are a full time student. Should you need to take employment of more than 15 hours per week we recommend you register as a part time student. A full time student is expected to follow their timetable and negotiate work times around it.

Your learning

Your College course will provide you with constant opportunities to learn new skills and acquire knowledge in your chosen subject areas. In order to make the most of all the opportunities available, you need to organise and plan your learning and also to manage your time effectively.

You must attend **all** your timetabled classes. You also need to study in your own time and you should plan to spend several hours a week to fulfil your commitment as a full-time student. You need to allocate time for this in your diary.

Prepare for lectures and tutorials by doing any reading or exercises in advance. Always make some notes – there is usually a handout provided. Review these after the class and ask your lecturer if there is anything you do not understand.

Note assignment deadlines and exam dates in your diary and remember to begin assignments early. You will enjoy researching and planning your work if you allow yourself plenty of time. Make sure you understand what you need to do and plan how you are going to tackle it. Seek advice from your lecturer or Curriculum Head if there is anything that needs clarification.

For full details of regulations about attendance, see the College Attendance Policy and Procedure.

In summary:

- ❖ plan your learning strategy
- ❖ allocate enough time
- ❖ attend **all** of your classes
- ❖ start assignments well in advance
- ❖ seek advice and help
- ❖ use the learning resources offered
- ❖ enjoy the learning experience!

Credit for previous learning

Some students have previous experience or qualifications for which they may receive credit on their present course of study. If you have any qualification that may exempt you from part of your course, for example from school or another college, you may apply for Accreditation of Prior Learning (APL). Similarly, if you have undertaken work, paid or voluntary, that has resulted in learning skills or knowledge that is equivalent to units you will be studying here, you may apply for Accreditation of Prior Experiential Learning (APEL). Together these are known as AP(E)L and it means you do not have to duplicate study you have done previously. It does not necessarily have to be in your chosen subject, but it must be at the same level as your course of studies here.²

If you wish to claim for APL/AP(E)L please speak to your Curriculum Head.

The aims of your course

The aims of your course are:

- ❖ to develop your knowledge of the facts, theories, concepts, applications, development and importance of good health and safety practice in a broad range of construction craft options.
- ❖ to enhance your practical skills in Carpentry and Joinery, painting and decorating, brickwork, plumbing and basic electrical works.
- ❖ to provide a sound basis for those of you who may decide go on to a more advanced course of study;
- ❖ to give you experience of the equipment, materials, processes and practices currently used in the construction industry;
- ❖ to encourage your development of effective learning strategies.

² For full details of the scheme for crediting previous learning, see the College Credit Transfer and APL/APEL Procedure.

The structure of your course

The course consists of 24 units, with a total value of 18 credits.

The course consists of 3 days of formal classes each week along with individual study and coursework.

The units you will study in Semester 1 are:

Semester 1		
Unit Code	Unit Title	Credit
F1JP 10	Construction Safety Practices: An Introduction (Intermediate 1)	1
F1JN 10	Construction Occupation Practices: An Introduction (Intermediate 1)	1
F1JS 10	Half Brick Walling: An Introduction (Intermediate 1)	1
F1JV 11	One Brick Walling: An Introduction (Intermediate 2)	1
F1KX 11	Manufacture Joinery Components (Intermediate 2)	1
D9AH 11	Basic Electrical Installation Skills (Intermediate 2)	1
ZS4776	Construction drawing 1: introduction	1
F3GF 10	Core Skills: Numeracy SCQF Level 4	1
F3GB 10	Core Skills: Communication SCQF Level 4	1
E8M211	Introduction to CAD	0.5

The units you will study in Semester 2 are:

Semester 1		
Unit Code	Unit Title	Credit
F3GC 10	Core Skills: Information and Communication Technology SCQF Level 4	1
F3FT 11	Energy and the Individual (Intermediate 2)	0.5
F3FV 11	Energy: Conventional Technologies and the Grid (Intermediate 2)	0.5
F1JR 10	Efficient Construction Practices: An Introduction (Intermediate 1)	1
F1KL 10	Carpentry & Joinery: An Introduction (Intermediate 1)	1
F1K7 10	Preparing and Painting Surfaces (Intermediate 1)	1

F1KA 11	Decorative Treatments (Intermediate 2)	1
F1K9 11	Decorative Painting (Intermediate 2)	1
F1L7 11	Hot and Cold Water Systems: An Introduction (Intermediate 2)	1
E987 11	Construction studies (x1/2)	0.5
E973 11	Introduction to building craft science (x1/2)	0.5
ZS0086	Setting out for structures	1

The content of your course

Here are brief descriptions of the mandatory units which make up your course:

F1JP10 - Construction Safety Practices: An Introduction (Intermediate 1)

This Unit is suitable for candidates who have had little or no experience in the Construction Industry and wish to gain knowledge and understanding of construction safety practices. This Unit will help to develop the candidate's ability to work in a safe and effective manner in a Construction Industry setting. Candidates who complete this Unit can feel confident about making good progress on a wide range of practical activities in the National Progression Awards where Health and Safety will always be one of the main priorities.

F1JN10 - Construction Occupation Practices: An Introduction (Intermediate 1)

This Unit is suitable for candidates who have had little or no experience in the Construction Industry and wish to gain knowledge and understanding of construction practices. The Unit will help to develop the candidates ability to understand the range and type of work involved in the Construction sector and will begin to develop their ability to read and understand and produce simple building drawings as well as how to mark out and measure materials correctly. Candidates who complete this Unit can feel more confident about making progress on a wide range of practical activities in the National Progression Award in Construction.

F1JR10 - Efficient Construction Practices: An Introduction (Intermediate 1)

This Unit is suitable for candidates who have little or no experience in the Construction Industry and wish to gain knowledge and understanding of working practices to aid the in seeking and retaining employment in the Construction Industry. The Unit will help to develop

the candidate's ability to work in an organised, safe and effective manner. Candidates who complete this Unit can feel confident about making good progress on a wide range of practical activities in the National Progression Award in Construction.

F1JS10 - Half Brick Walling: An Introduction (Intermediate 1)

This Unit is suitable for candidates who have little or no brickwork experience. The Unit requires the candidate to measure and set out simple brickwork, select and maintain tools, demonstrate the basic knowledge required and build short lengths of half brick walls. Underpinning knowledge will be required to deal with the building skills to be met. Candidates who achieve this Unit should feel confident in progressing further in the Construction Craft Industry.

F1KL10 - Carpentry & Joinery: An Introduction (Intermediate 1)

This Unit is suitable for candidates who have little or no experience or knowledge of craft practices in carpentry and joinery. The Unit requires the candidate to use and care for a basic range of hand tools and materials whilst undertaking skilled tasks associated with carpentry and joinery. Candidates who achieve this Unit should feel confident in progressing to more demanding higher level skills and awards in the Construction Industry when the range and level of work will be wider/more complex.

F1K710 - Preparing and Painting Surfaces (Intermediate 1)

This Unit is suitable for candidates who have little or no knowledge of the painting and decorating industry. The Unit will develop candidates in the craft skills of painting and decorating, with particular emphasis on preparation techniques. Candidates who complete this Unit will achieve knowledge of surface identification, preparation and application of paint and appropriate use of tools. Through this candidates can feel confident progressing further in the Construction Craft Industry.

F1KA11 - Decorative Treatments (Intermediate 2)

This Unit is suitable for candidates who have little or no knowledge of the painting and decorating industry. The Unit will develop candidates in the craft skills of painting and decorating, with particular emphasis on preparation techniques. Candidates who complete this Unit will be introduced to the formation of bands and lines in paint; to the production of a basic representative brush grained effect; and to the enlargement and painting of a design using free brush work. The candidate will also have had experience of matching colour in paint,

achieve knowledge of surface identification, preparation and application of paint and appropriate use of tools.

F1K911 - Decorative Painting (Intermediate 2)

This Unit is suitable for candidates who have little or no experience of Painting and Decorating craft practices. The Unit requires the candidate to select the correct tools and materials required to produce groundcoats, broken colour effects and stencils. The candidate will mix and colour scumble glazes, produce examples of hair stippling, rag rolling, sponge stippling and dragging. The candidate will also produce and use a simple positive and negative stencil. The work throughout will be based on recognised craft practices including working in an organised and safe manner. Candidates who achieve this Unit should feel confident in progressing to other Units demanding higher level skills in this area when the range and level of work will be greater.

F1JV11 - One Brick Walling: An Introduction (Intermediate 2)

This Unit is suitable for candidates who have little or no brickwork experience. The Unit requires the candidate to measure and set out simple brickwork, select and maintain tools, demonstrate the basic knowledge required and build short lengths of one brick walls. Underpinning knowledge will be required to deal with the building skills to be met. Candidates who achieve this Unit should feel confident in progressing further in the Construction Craft Industry.

F1KX11 - Manufacture Joinery Components (Intermediate 2)

This Unit is suitable for candidates who have little or no experience of craft practices in carpentry and joinery. The Unit requires the candidate to produce a workshop rod for and compile a cutting list for a panel door and frame. The work throughout will be based on recognised craft practices including working in an organised and safe manner. Candidates who achieve this Unit should feel confident in progressing to other Units demanding higher level skills in this area when the range and level of work will be wider.

D9AH11 - Basic Electrical Installation Skills (Intermediate 2)

This unit has been designed to introduce candidates to the skills and safe working practices required when installing electrical equipment. It will focus on the formation of practical lighting and socket outlet circuits. It incorporates planning where electrical diagrams have to be interpreted and electrical equipment has to be identified and correctly selected. The completed practical exercises have to be evaluated to

ensure they function correctly and comply with all the safety requirements relevant to Intermediate 2.

F1L71 - Hot and Cold Water Systems: An Introduction (Intermediate 2)

This Unit is suitable for candidates who have had some experience in plumbing services. The purpose of this Unit is to introduce candidates who are interested in pursuing a career in the plumbing industry to the basic layouts of components and materials used in hot and cold water supply systems in domestic buildings. Candidates who complete this Unit can feel confident progressing further in the Construction Craft Industry.

E98711 - Construction Studies (x1/2)

This module is designed to introduce students following a career in construction to the basic forms of single storey construction and the common faults associated with bad workmanship and poor construction.

E97311 - Introduction to Building Craft Science (x1/2)

This module is designed to provide a student following a programme of modules in building crafts with an appreciation of the relationship which exists between practical craft work and related scientific principles. It is intended that this module will develop an understanding of the material and construction technology involved in the many crafts within the construction industry. It would be particularly complementary to 85002 Construction Material and Products.

ZS4776 - Construction Drawing 1: An Introduction

This unit gives you an introduction to the skills required to interpret and produce manual drawings of buildings.

F3GC10 - Core Skills: Information and Communication Technology SCQF Level 4

This Unit is about using straightforward information and communication technology (ICT) effectively to access, process, and present information in familiar, everyday settings.

F3GF10 - Core Skills: Numeracy SCQF Level 4

This Unit is about using straightforward numerical skills in everyday settings that involve graphical information, calculations, and solving problems.

F3GB10 - Core Skills: Communication

SCQF Level 4

This Unit is about using straightforward reading, writing, speaking, and listening skills in situations in your personal life, at work, and in education.

F3FT11 - Energy and the Individual

(Intermediate 2)

This Unit is about energy that you use annually. This will include producing their own Carbon Footprint, where candidates will use Energy and CO2 calculators to gauge what impact they are having on the environment. Using the data gained they will review and evaluate their lifestyles to try and reduce the energy they consume and thereby reduce the size of their carbon footprint.

F3FV11 - Energy: Conventional Technologies and the Grid

(Intermediate 2)

This unit will give you the opportunity to investigate how conventional energy generation plants support the UK's total energy needs, and review the effect each of them has on the environment. They will investigate systems used to generate electricity using coal, oil, gas, hydro, and nuclear energy as a power source. The national grid and the distribution of energy/power will be investigated from both present and projected future needs.

E8M211 - Introduction to CAD

This unit gives you an introduction to the skills required to interpret and produce computer aided drawings.

ZS0083 - Hand and Power Tools

The hand and power tools unit is designed to enable candidates to gain knowledge and understanding of hand and power tools being used in construction within each of the four trade areas brickwork, carpentry & joinery, painting & decorating and plumbing.

ZS0086 - Setting Out for Structures

The Setting out for structures unit is designed to enable candidates to gain knowledge and understanding in the setting out process. The candidates will work with traditional methods to achieve an understanding of the essential mathematical and practical skills required for the Setting out process.

ZS0076 - New Technologies

The new technologies is designed to enable candidates to gain knowledge and understanding of new technologies being used in construction within each of the four trade areas brickwork, carpentry & joinery, painting & decorating and plumbing.

Assessment of your work

Throughout your course, your work will be assessed in a number of different ways, depending on the different criteria in individual units.³

The majority of courses delivered in the College are assessed partly or wholly on a continuous basis – in other words, you will be assessed on parts of your work as you go along rather than all of it at the end of the unit. This assessment is carried out by the lecturer teaching the unit.

So that assessments can be fair to all students, and whoever teaches them, internal assessments are checked by other lecturers teaching the same, or similar, units. This is a process called 'internal moderation'.

Over and above the internal moderation of assessments of student work, awarding bodies check that colleges are assessing work appropriately by a process called 'external verification'. This process involves the awarding body carrying out checks on College staff's assessments of student work. This is done by sending 'external moderators' to the College, where they check assessments against national standards.

Only after these three stages have been completed can you be sure of your results, the certificates for which will be sent to you directly by the awarding body, not the College.

Internal assessment is not just about judging whether you have passed or failed. It also provides both you and your lecturers with important information about what you're doing well and where you have shortcomings in your knowledge, understanding or skills. Assessment is closely linked to the learning process in the sense that the feedback you will receive from your lecturers will help you improve your work in the future.

Finally, a range of courses delivered in the College are assessed by means of an externally-set and externally-assessed examination. The examining body will inform you directly whether or not you have completed your course successfully. College lecturers are not in a position to tell you whether you have passed or failed, until they have been informed by the examining body (usually at the same time as you will know directly from the examining body). If in doubt, please ask your lecturer about the procedures used.

³ For full details of the College's regulations about assessment, see the College's Assessment Procedure.

Re-assessment of your work

If you are unsuccessful in an internal assessment, you will be offered the opportunity to be re-assessed. Depending on the arrangements for re-assessment laid down for a particular unit, this may involve retaking either the whole assessment or just part of it.

You will normally only be allowed one (or, in exceptional circumstances, two) re-assessment opportunities.

Submission of your coursework

You should hand all coursework in to your lecturers.

All coursework for assessment will have a specified deadline for submission. It is essential that you meet the submission deadline to ensure fairness amongst all students and to enable staff to mark efficiently.

Your subject lecturer may allow you an extension to a submission date if there are valid circumstances affecting your ability to meet the deadline.

Any coursework (for which there are no mitigating circumstances or an agreed extension) handed in after the submission deadline will normally receive a mark of 0.

If you are unwell when completing assessed coursework or sitting examinations, or have any other specific difficulties that may affect your performance in assessed coursework or examinations, you should notify your Curriculum Head in writing of the circumstances as soon as possible, and make immediate arrangements for medical certificates or other letters of support to be submitted.

Cheating and plagiarism

There are various forms of academic dishonesty but in the student's context it means cheating in examinations or presenting work for assessment which is not your own.

Plagiarism as a form of cheating takes place when the student 'borrows' or copies information, data or results from an unacknowledged source, without quotation marks or any indication that the presenter is not the original author or researcher.

If carried out knowingly, cheating and plagiarism have the objective of deceiving examiners and this threatens the integrity of the assessment procedures and the value of your award.

Work produced by someone else may be summarised or repeated providing it is referenced to the original author. As well as text, work such as diagrams, maps and charts must also be acknowledged. In addition to the use of quotation marks when quoting from original sources and secondary material, full reference for both quotes and paraphrases or summaries of published material must be given. All references should then be included in a bibliography at the end of the piece of work. Appropriate references for web-based material must also be given, including the relevant URL.

Any student found to have used unfair means in any examination or assessment procedure will be penalised.⁴

Support for your learning

The College has a positive policy of supporting students with learning difficulties or disabilities and their interests are represented by the Diversity Committee which reports directly to the Principals Group. The College has a Learning Support team, which can provide help and advice on all aspects of learning support and coping with learning difficulties.

The College offers support in making alternative arrangements for exams and assessment, support with study skills and advice with applications for the Disabled Students Allowance. Support and advice can also be provided in the specification and purchase of specialist equipment and the use of Information Technology.

In order to ensure that you are provided with the appropriate advice and support from the start of your studies it is important that you discuss any difficulties and special requirements with the Learning Support Manager, or with your Curriculum Head, as early as possible.

⁴ For full details of the College's regulations on cheating and plagiarism, see the College Academic Deceit Procedure.

Your representation

Each course in the College is required to have a Course Team. This meets at least twice a year to review the course and consists of the Curriculum Head, all member of staff who teach units on the course and two representatives from the students on the course.

Prior to each meeting, your course representatives will be given a copy of the agenda and will be asked to consult their fellow students about the items listed and be prepared to report to the meeting on any issues raised.

Following the meeting, the class representatives will receive a copy of the Course Review report to share with their fellow students on the course.

The existence of the formal system of student representation doesn't mean that you should feel this is the only channel open to you. You may of course raise issues directly with a lecturer or your Curriculum Head. Individual problems are often likely to be more easily and quickly resolved in this way.

Your comments, complaints or compliments

Naturally, we hope that your experience at the Adam Smith College will be an enjoyable and rewarding one. However, we do recognise that sometimes things can go wrong and encourage you to make your comments or complaints known to us so that we have the opportunity to resolve the problem and improve our services to you.

Problems are often most quickly and easily sorted by being dealt with informally. So we would ask that, in the first instance, you raise the matter with the appropriate member of staff. If you're not satisfied with the outcome, you can discuss the matter with your Curriculum Head.

Comments or complaints can also be put forward through your course representatives.

Where informal methods have failed to resolve the problem, you can make a formal complaint through the College's Complaint Form, which is available at Reception on all College campuses and in outreach centres or through the Students' Association.

It's always good to hear about what you think we do well and we encourage you to use the Compliments Form available at Reception. Every compliment received will be passed on to the person or department it's about.