



Beekeepers Association of the ACT
PO Box 1482, Woden, ACT, 2606

&  present:



Backyard Beekeeping Course 1

starts Saturday 15 October 2011

The Beekeepers Association of the ACT has developed a great introductory course that will give you a sound working knowledge of beekeeping and honey production. Learn how to keep your bees in good health and your hives in good condition.

Each Saturday of the course starts with a theory session followed by guided hands on work at the beehives.

<i>Session</i>	<i>Content</i>	<i>When</i>
Session 1 Bees and hives	Bee biology and behaviour, Keeping bees, Handling of bees, Legal requirements, Bee stings and allergy	Saturday 15 October 2011, 8.30am to 12 noon Presenter: Lyn Shiels Tutors for practical: To Be Advised
Session 2 Your first hive	Review of session 1 Hive and components Getting started Build wooden frame	Saturday 22 October 2011, 8.30am to 12 noon Presenters: John Grubb, Pat Shiels Tutors for practical: To Be Advised
Session 3 The beekeeping year	Review of session 2 Seasonal activities	Saturday 29 October 2011, 8.30am to 12 noon Presenter: Dick Johnston Tutors for practical: To Be Advised
Session 4 Products and pests of the hive	Review of session 3 Hazards to bees, Hazards to beekeepers, Honey and wax, Bees and pollination Beekeepers Association	Saturday 5 November 2011, 8.30am to 12 noon Presenter: Leeza Cottingham Tutors for practical: To Be Advised

Venue: CIT, School of Horticulture
CIT Bruce Campus, Bruce ACT 2617

Cost: \$265
Webs: www.actbeekeepers.asn.au
www.citsolutions.edu.au

Enrolments: CIT Solutions, Ph: 6207 4441 **Enquiries:** Dick Johnston, Ph: 6282 8112



Beekeepers Association of the ACT
PO Box 1482, Woden, ACT, 2606

&  present:



Backyard Beekeeping Course 2

starts Saturday 19 November 2011

The Beekeepers Association of the ACT has developed a great introductory course that will give you a sound working knowledge of beekeeping and honey production. Learn how to keep your bees in good health and your hives in good condition.

Each Saturday of the course starts with a theory session followed by guided hands on work at the beehives.

<i>Session</i>	<i>Content</i>	<i>When</i>
Session 1 Bees and hives	Bee biology and behaviour, Keeping bees, Handling of bees, Legal requirements, Bee stings and allergy	Saturday 19 November 2011, 8.30am to 12 noon Presenter: Lyn Shiels Tutors for practical: To Be Advised
Session 2 Your first hive	Review of session 1 Hive and components Getting started Build wooden frame	Saturday 26 November 2011, 8.30am to 12 noon Presenters: John Grubb, Pat Shiels Tutors for practical: To Be Advised
Session 3 The beekeeping year	Review of session 2 Seasonal activities	Saturday 3 December 2011, 8.30am to 12 noon Presenter: Dick Johnston Tutors for practical: To Be Advised
Session 4 Products and pests of the hive	Review of session 3 Hazards to bees, Hazards to beekeepers, Honey and wax, Bees and pollination Beekeepers Association	Saturday 10 December 2011, 8.30am to 12 noon Presenter: Warren Clendenning Tutors for practical: To Be Advised

Venue: CIT, School of Horticulture
CIT Bruce Campus, Bruce ACT 2617

Cost: \$265
Webs: www.actbeekeepers.asn.au
www.citsolutions.edu.au

Enrolments: CIT Solutions, Ph: 6207 4441 **Enquiries:** Dick Johnston, Ph: 6282 8112



Beekeepers Association of the ACT
PO Box 1482, Woden, ACT, 2606

&  present:



Backyard Beekeeping Summer School

starts Saturday 7 January 2012

The Beekeepers Association of the ACT has developed a great introductory course that will give you a sound working knowledge of beekeeping and honey production. Learn how to keep your bees in good health and your hives in good condition.

Each Saturday of the course starts with a theory session followed by guided hands on work at the beehives.

<i>Session</i>	<i>Content</i>	<i>When</i>
Session 1 Bees and hives	Bee biology and behaviour, Keeping bees, Handling of bees, Legal requirements, Bee stings and allergy	Saturday 7 January 2012, 8.30am to 12 noon Presenter: Lyn Shiels Tutors for practical: To Be Advised
Session 2 Your first hive	Review of session 1 Hive and components Getting started Build wooden frame	Saturday 14 January 2012, 8.30am to 12 noon Presenter: John Grubb, Pat Shiels Tutors for practical: To Be Advised
Session 3 The beekeeping year	Review of session 2 Seasonal activities	Saturday 21 January 2012, 8.30am to 12 noon Presenter: Dick Johnston Tutors for practical: To Be Advised
Session 4 Products and pests of the hive	Review of session 3 Hazards to bees, Hazards to beekeepers, Honey and wax, Bees and pollination Beekeepers Association	Saturday 28 January 2012, 8.30am to 12 noon Presenter: Warren Clendenning Tutors for practical: To Be Advised

Venue: CIT, School of Horticulture
CIT Bruce Campus, Bruce ACT 2617

Cost: \$265
Webs: www.actbeekeepers.asn.au
www.citsolutions.edu.au

Enrolments: CIT Solutions, Ph: 6207 4441 **Enquiries:** Dick Johnston, Ph: 6282 8112

Backyard Beekeeping

Session 1 Bees and Hives

Theory

Bee Biology and Behaviour

Castes, anatomy, life cycle, pheromones, queen production ie emergency, supersedure, swarming

Keeping Bees

Feral hives
Managed hives

Handling of Bees

Protective clothing, tools
Methods and hints
Use of smoke

Legal Requirements

NSW
ACT

Bee Stings

Allergic reactions

Practical – depends on conditions and state of bee colonies

- Handling techniques
- Identifying honey, pollen and brood
- Identifying the queen bee, workers and drones

BEEAGSKILLS references

GENERAL SAFETY PRECAUTIONS	3
BACKGROUND KNOWLEDGE	87
LEGAL CONSIDERATIONS FOR AN APIARY	66
LIGHT AND EXTINGUISH A BEE SMOKER	26
OPEN, CLOSE AND INSPECT A HIVE	30

Backyard Beekeeping

Session 2 – Your first hive

Theory

Review of Session 1

What are the three castes of honeybees?
How do bees communicate in the hive?
Do you need to register a backyard beehive in the ACT?
Do you need to register a backyard beehive in Queanbeyan?

Hive and Components

Boxes: Construction, preservation, painting, dipping, branding
Frame types: wooden with wax foundation, wooden with plastic foundation, plastic frames
Bases and lids
Hive mats
Queen excluder
Closers and straps

Getting Started

Financial outlay
Buying established hive or nucleus
Catching a swarm
Buying second hand equipment, hazards
Placing of hives, water, shade and ventilation
Neighbours and public
Keeping placid bees

Build wooden frames – after a demonstration, each student will build their own wooden frame with beeswax foundation. Material supplied by Bindaree Bee Supplies.

Practical – depends on conditions and state of bee colonies

- Demonstration - Hiving a swarm
- Demonstration – Uniting two bee hives
- Checking for queen cells and searching for the queen
- Handling frames
- General hive management
- Harvest excess honey

BEEAGSKILLS references

SELECT BEE SITE	9
ASSEMBLE AND MAINTAIN A HIVE	11
OBTAINING BEES	23
CATCH A SWARM	45
BUYING SECOND-HAND HIVES AND EQUIPMENT	83
ASSEMBLY AND MAINTAIN A HIVE – Frames	15

Backyard Beekeeping

Session 3 – The beekeeping year

Theory

Review of Session 2

Identify three ways of starting a beehive.

How much is it likely to cost to start beekeeping with one beehive?

Why might a beekeeper send hives and bee equipment to Sydney for irradiation?

What would you do about an aggressive beehive?

How would you minimise problems with neighbours?

Seasonal Activities

Spring:

- Prepare for swarming
- Check food supplies
- Check for queen
- Check for disease
- Take swarm prevention measures
- Requeen

Summer:

- Move hives
- Harvest honey

Autumn:

- Check protective gear, bees angrier in Autumn
- Autumn feeding
- Shutdown before Anzac Day

Winter:

- Build and repair equipment

Practical – depends on conditions and state of bee colonies

At the hives:

- Demonstration - Re-queening
- Demonstration - Increasing number of hives – creating a nucleus colony
- Lifting frames of brood to make more room
- Disease inspection
- General hive management

BEEAGSKILLS references

MOVING A HIVE	37
SEASONAL MANAGEMENT	41
REQUEEN	49

Backyard Beekeeping

Session 4 – Products and Pests of the Hive

Theory

Review of Session 3

What are the main beekeeping activities during:

- Spring
- Summer
- Autumn
- Winter?

Hazards to bees

Diseases
Pests and enemies
Pesticides

Hazards to beekeepers

Honey and wax

Extracting, refining, presentation, sale
Wax melters
Wax use

Bees and pollination

Beekeepers Association of the ACT - Benefits of membership

Practical Saturday – depends on conditions and state of bee colonies

- Check hives requeened last week
- Check nucleus colony created last week
- Undertake final assignment in work groups

BEEAGSKILLS references

REMOVE HONEY	59
EXTRACT HONEY	63
HEALTH PROBLEMS AND PESTS OF THE HIVE	69

Preparation

For the practical work, please wear covered shoes, thick socks and long trousers or jeans. Bring your bee suit or bee jacket if you have one. Otherwise we will provide you with a bee suit or bee jacket and gloves. If the weather is hot you might like to bring a bottle of water.

We meet in room M02 at the CIT Bruce campus. Check the CIT Bruce location map and you will see Jack Fleming Place which is off Vowels Crescent. Drive through the double gates at the end of Jack Fleming Place into the horticultural area:

<http://cit.edu.au/about/organisation/maps/bruce>

Groups for Practical Work

(named after most common races of honeybee)

	Probable tutors			
	Week 1	Week 2	Week 3	Week 4
Demo	Lyn – hive inspection	Pat – hiving swarm Dick – combining two hives	Dick – re-queening	Dick – check re-queened hives
Italians Student 1 Student 2 Student 3 Student 4 Student 5	Lyn	Pat	Dick	Final Assignment
Carniolans Student 6 Student 7 Student 8 Student 9 Student 10	Pat	Dick	Lyn	Final Assignment
Caucasians Student 11 Student 12 Student 13 Student 14 Student 15	Dick	Lyn	Pat	Final Assignment