

## APPLICATION FOR INTRODUCTION TO BREWING RESIDENTIAL SHORT COURSE

6-11 November, 2009

Name \_\_\_\_\_

Position \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Postcode: \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Signature \_\_\_\_\_

### Which nights will you require accommodation?

FRI	SAT	SUN	MON	TUE

☐ Male ☐ Female

Share with \_\_\_\_\_

Please enclose a cheque (NZ dollars, including GST) for:

Registration	(\$2,250)	
Accommodation	(\$350)	
<b>TOTAL</b>		

☐ Tax invoice required?

☐ Receipt required?

## Introduction to Brewing Residential Short Course

Massey University will hold a short course in brewing at its Palmerston North campus in November 2009. Participants will live in. The course will start on the evening of Friday 6 November for those who can make it, and finishes at 5.00pm on Wednesday 11th November.

The course will be run by the University of Ballarat's Dr Peter Aldred and Dr Frank Vriesekoop. Ballarat have been teaching brewing since 1971 and offer this short course along with a Graduate Certificate and a Graduate Diploma in Malting and Brewing.

### Who should attend?

#### THE COURSE IS DESIGNED FOR

- New graduates entering the brewing industry
- Suppliers to the brewery industry
- Craft brewers seeking to further their skills
- Aspiring micro-brewers with an interest in and awareness of brewing processes.

#### THE SHORT COURSE CONSISTS OF

- Some formal and informal discussions
- Brewing practicals and demonstrations
- Field trips
- Lectures from Ballarat, Massey and industry staff.



## The Massey Microbrewery

Participants will use the 200L Microbrewery at Massey University. The brewery comprises a brew house plus an area of 10 independently temperature-controlled unitanks.

### Registration

The registration fee for the five-day intensive course includes most lunches, dinners, morning and afternoon teas, the course dinner and lecture material.

We encourage all participants to live in – accommodation is twin-share at the Massey Institute of Sport and Rugby just a 500m walk from the microbrewery.



<http://www.sportandrugbyinstitute.co.nz>

The weather in Palmerston North in early November can be variable. Temperatures may get as low as 4°C overnight and may reach 21°C during the day. A typical day ranges from 6°C to 17°C. Average humidity is about 75% and wind speed 15km/hr. One day in three will rain – on that day 4.5mm will fall on average. Be prepared for variability.

The fee for the course will be \$2,250 including GST. The fee for accommodation (bed and breakfast) will be \$350 including GST.

The course will be restricted to the first 16 students to enrol and pay their fees. Massey University reserves the right to cancel or reschedule a course because of insufficient numbers. Cancellations after 16 October may incur a cancellation fee.



# Provisional Programme Details

## FRIDAY

6.30 – 7.30pm Introduction  
7.30 – 8.00 Dinner

## SATURDAY

8.30 – 10.30 Brewing Raw Materials 1  
10.30 – 11.00 Morning tea  
11.00 – 12.30 Brewing Raw Materials 2  
12.30 – 1.30 Lunch  
1.30 – 3.00 Barley, malting and malt  
3.00 – 3.30 Afternoon tea  
3.30 – 5.00 Process aids  
5.30 – 6.00 Dinner  
7.00 – 8.30 Hops and hop utilisation

## SUNDAY

8.30 – 10.00 Brewing process engineering 1  
10.00 – 10.30 Morning tea  
10.30 – 12.00 Brewing process engineering 2  
12.00 – 1.00 Lunch  
1.00 – 6.00 Group 1 Group 2  
Maltings visit Brewery practical  
Sensory evaluation 1  
6.30. Dinner

## MONDAY

8.30 – 10.30 Wort Production  
10.30 – 11.00 Morning Tea  
11.00 – 1.00 Fermentation and Sensory 2  
1.00 – 2.00 Lunch  
2.00 – 7.00 Group 1 Group 2  
Brewing Practical Maltings v'sit  
Sensory evaluation 1  
7.30 Dinner

## TUESDAY

8.30 – 10.30 Yeast and spoilage organisms  
10.30 – 11.00 Morning tea  
11.00 – 12.30 Post fermentation principles  
12.30 – 1.15 Lunch  
1.15 – 3.00 Hygiene and sanitation in the Brewery  
2.00 – 6.00 Sensory evaluation 3  
7.00 Dinner

## WEDNESDAY

All day Brewery visits  
5.00pm Finish



## Contact Details

Please return your application or direct any inquiries to:

**Lee-Anne Hannan**

Email: [l.j.hannan@massey.ac.nz](mailto:l.j.hannan@massey.ac.nz)

Phone: +64 6 356 9099 extn 81416

Fax: +64 6 350 5657

OR

**Allan Hardacre**

Email: [a.hardacre@massey.ac.nz](mailto:a.hardacre@massey.ac.nz)

Phone: +64 6 356 9099 extn 81422

Institute of Food, Nutrition and Human Health  
Massey University PN452  
Private Bag 11 222  
Palmerston North 4442  
New Zealand



**MASSEY UNIVERSITY**  
COLLEGE OF SCIENCES



## INTRODUCTION TO BREWING

Residential Short Course  
6 – 11 November, 2009



Tē Kunenga ki Pūrehuroa