

PHD PROGRAM SYLLABUS



UNITS OF STUDY

COURSE #1: pH and Viscosity 101

- Explanation of "their" environment and equipment
- pH's role in ink
- pH first and viscosity second
- Consistent printing
- Equipment (pH meters and Zahn cups/viscometers)
- PHD Candidates will receive:
 - Environmental Amine report
 - Target ranges for inks
 - pH maintenance instructions
 - Log sheet for pH and viscosity

COURSE #2: Color Theory

- Color wheel (Hue, saturation, chroma, primary and secondary colors)
- Understanding Pantone/GCMI
- Special Match colors
- Branding
- How to keep your customers happy
- Print presentation for your customer by Quantum (substrate specific and press correlated)
- PHD Candidates will receive:
 - Color wheel
 - Light booth
 - New edition Pantone/GCMI books
 - Quantum print request form

COURSE #3: pH and Viscosity Level 2

- pH and viscosity spot check and reinforcement
- Troubleshooting common problems
- Troubleshooting guide and explanations
- Proper equipment and calibration
- Employee Q&A
- PHD Candidates will receive:
 - Troubleshooting Guide
 - pH meter and calibration kit
 - pHD Diploma for all participants

Primary Instructor: Mr. Drew Bredar, Ink Master
