

## Master of Public Health - Semester 3

Week 49: from 05<sup>th</sup> to 09<sup>th</sup> of December, 2011

### Module 220 Major A: Decision Analysis in Public Health

Coordinator : Mark H. Eckman, MD and Gwenaëlle Vidal-Trécan, MD

Location: Reid Hall 4 rue de Chevreuse – 75006 PARIS

Monday 05th December	Tuesday 06th December	Wednesday 07th December	Thursday 08th December	Friday 09th December
<p>9h -10h30 Lecture Introduction &amp; Overview Designing and Evaluating Decision Trees Mark H. Eckman</p> <p>10h50 – 12h30 Workshop Tree Construction &amp; Fertilization Mark H. Eckman &amp; Gwenaëlle Vidal-Trécan</p>	<p>9h -10h30 Workshop More Trees to Plant and Ponder Mark H. Eckman &amp; Gwenaëlle Vidal-Trécan</p> <p>10h50 – 12h30 Lecture Bayes' Rule &amp; the Interpretation of Diagnostic Tests Mark H. Eckman</p>	<p>9h Lecture &amp; Workshop A Decision Analytic Approach to Determining the Optimal Operating Point on the ROC Curve Mark H. Eckman &amp; Gwenaëlle Vidal-Trécan</p> <p>10h50 – 12h30 Lecture Deterministic Sensitivity Analysis &amp; Interpretation of Results Mark H. Eckman</p>	<p>9h Workshop Cost-Effectiveness Analysis Mark H. Eckman &amp; Gwenaëlle Vidal-Trécan</p> <p>10h50 Lecture Cost-Effectiveness Analysis - A detailed clinical example</p> <p>Mark H. Eckman</p>	<p>9h Lecture Markov Modeling -Tolls and tunnels</p> <p>11h20 – 12h30 Lecture Probabilistic Sensitivity Analysis &amp; Monte Carlo Simulation</p> <p>Mark H. Eckman</p>
<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
<p>14h Lecture Decision Modeling - A detailed clinical example Mark H. Eckman</p> <p>15h30</p>	<p>14h Workshop Test Characteristics and Bayes' Rule Mark H. Eckman &amp; Gwenaëlle Vidal-Trécan</p> <p>15h50 Lecture Introduction to ROC Analysis Mark H. Eckman</p> <p>17h30</p>	<p>14h Workshop Sensitivity Analysis Mark H. Eckman &amp; Gwenaëlle Vidal-Trécan</p> <p>15h50 Lecture Fundamentals of Cost- Effectiveness Analysis Mark H. Eckman</p> <p>17h30</p>	<p>14h Workshop Patient Values &amp; Preferences Hands-On Utility Assessment (The Gambler®) Mark H. Eckman &amp; Gwenaëlle Vidal Trécan</p> <p>16h20 Lecture Markov Modeling Mark H. Eckman</p> <p>18h</p>	<p>14h Lecture Probabilistic Sensitivity Analysis &amp; Monte Carlo Simulation Mark H. Eckman</p> <p>Evaluation of the course</p> <p>16h</p>