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## **Syllabus/ Course Schedule**

### **Childhood Immunology and Vaccines**

#### **Distance Learning – video**

#### Course Description

An 8 hour online video course in some fundamental issues of basic science regarding the development of the immune system from the fetal state onward into adulthood. Elements of the formative immune system. A look at classical biologicals beginning with the historical development of vaccines since the time of Edward Jenner. We will discuss the history of individual vaccines and their documented effects on disease rates in this country during the past century. There will be a focus on the original science behind the current Immunization Schedule, along with a discussion of ingredients and adjuvants.

#### **EDUCATIONAL OBJECTIVES:**

- To summarize the history of immunology
- To define the components of modern vaccines, their role in child immunity
- 2012 US Mandated Schedule, global comparison
- A look at Thimerosal: Mode of action, history, disclosure
- Chiropractic and other non-drug protocols for vaccine damaged children
- A discussion of HPV as an STD
- Recent changes in state and local vaccine laws
- To understand the emergence of autism in the US since the 1990s

- Section 1 The Emergent Immune System**
- Section 2 Adjuvants, Attenuation, Excipients; Peanut Anaphylaxis**
- Section 3 Human Papilloma Virus: The First Cancer Vaccine**
- Section 4 Polio and DPT vaccines**
- Section 5 Shaken Baby Syndrome 2012**
- Section 6 Measles Mumps Rubella Vaccine since 1978**
- Section 7 Hemophilus Influenzae Vaccine, Rotateq Vaccine**
- Section 8 Thimerosal and Neuroimmunology**

Teaching methods: 8 one hour videos, with suggested reading and testing for certificate of credit